SOSIA

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THE COMPANY

TECHNOLOGICAL FOREFRONT
OF THE MANUFACTURE OF
SCAFFOLDING, FORMWORK,
SHORING, WORK AND
SAFETY PLATFORMS,
FAÇADE STABILISERS AND
ENGINEERING STRUCTURES.

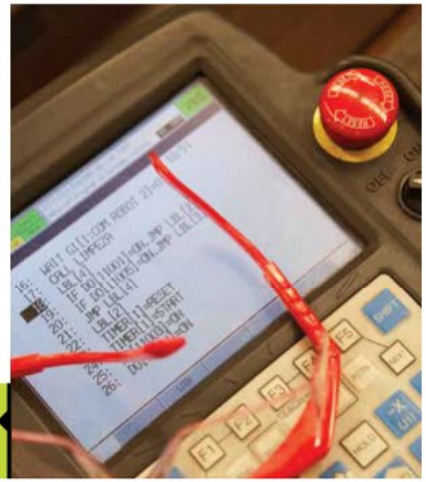
Installations

Production Processes with Advanced Technology

continuously invests in high-technology, automated and robotised production equipment which, combined with innovative manufacturing processes, allows high-quality products to be put on the market at competitive rates.

The signing of memorandum of understanding with national and international Universities, Institutes and Laboratories is part of an ongoing quest to improve the products and services rendered.

Under these memoranda the best scientific knowledge in R&D&I are used and brought together and the existing resources in terms of production processes and equipment are boosted.



The raw materials used in the production process are submitted to strict quality control to obtain standardised products that attain a high performance at the works' site.

The raw materials' cutting process is carried out automatically.

High-quality Products

The certification of the company and the approval of the scaffolding in accordance with European standards (EN 12810 and EN 12811) ensure strict control of the manufacturing processes so as to meet quality standards.

The commitment to Quality is essential as a tool for the ongoing improvement of the organisation in terms of customer satisfaction and the effectiveness and efficiency of processes (process management), currently attaining a high management maturity level for sustained success (ISO 9004).

Cast iron couplings are welded to the tube in automatic, synchronised fashion. The disks of the vertical alignments are welded in a dual robot by means of an ongoing process with alignment control and parallelism.

AENOR ER Empresa Certificada ISO 9001 ER - 0422/2005

AENOR N Producto Certificado

CERTIFIED IQNet MANAGEMENT SYSTEM

Company Certification nº ER - 0422/2005
Scaffolding product certification nº A34/000014 - NOR48 and nº A34/000015 - ADAPT

MULTIDIRECTIONAL SYSTEM

ADAPT®

The Adapt® Multidirectional System

SOSIA

THE ADAPT® MULTIDIRECTIONAL SYSTEM AS WELL AS ITS INDIVIDUAL COMPONENTS WERE SUBJECT TO NUMEROUS BEARINGS TESTS AND TRIALS AT RENOWNED INTERNATIONAL LABORATORIES SO AS TO **MEET THE REQUIREMENTS OF THE VARIOUS MARKETS**

Its vast experience in the manufacture of scaffolding has allowed the evolution of the product and service towards the added value desired by the customer, deploying quality materials to manufacture a resistant product which is hot-dip galvanised.

The final result is a product which is easy to assemble and dismantle, using a small number of components and without any loose parts that can get lost easily.

The Adapt® Multidirectional system is certified by the European Standards EN 12810 and EN 12811.

Galvanisation, a Byword for Productivity

The long working life of the scaffolding is only possible through hot-dip galvanisation. This factor, combined with the quality of production and the product's official endorsement pursuant to European Standards (EN 12810 and EN 12811), are decisive for the high productivity achieved at the works' site.

On a market as competitive as scaffolding hire and assembly, productivity is the key success factor in this business.

The Achievement of Perfection in Façades

The Adapt® multidirectional system is a system that allows total adaptation to any type of configuration, making it the system preferred by specialists both in civil construction and urban rehabilitation, industry, refineries, aeronautics, the ship-building sector or the organisation of events.

It may be used as scaffolding, suspended scaffolding, interiors or exterior access towers, shoring system or façade stabilisers, displaying all of its unlimited versatility.

When used on façades, **the Adapt® system allows you to work with all kinds of possible configurations, thereby making the work carried out more effective, particularly in buildings with complex geometries.**

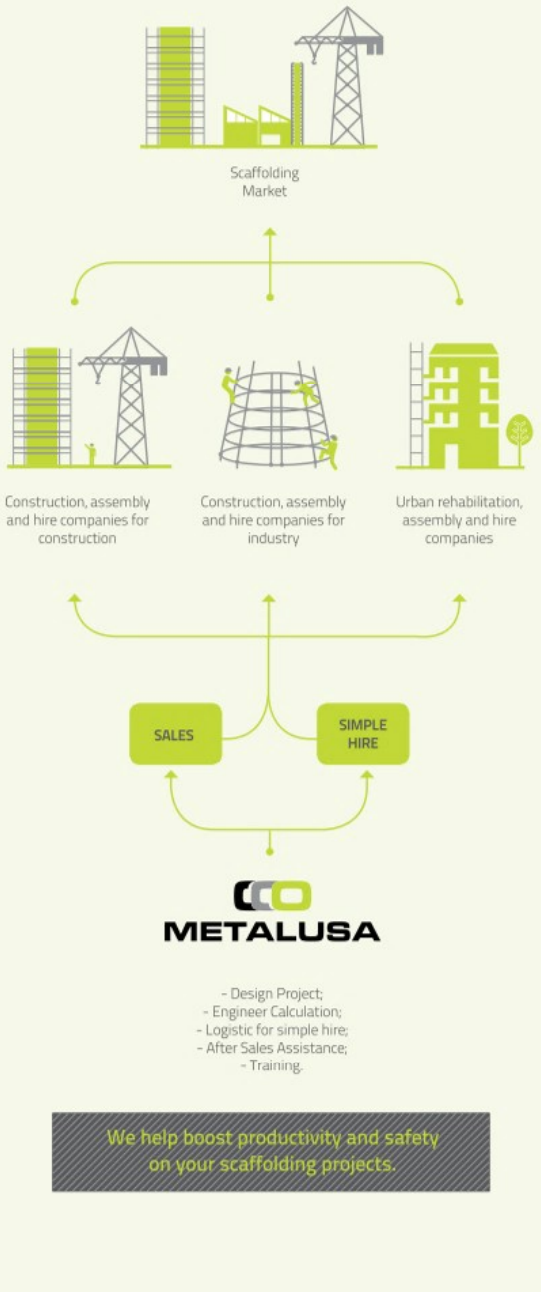
It is a rapid, simple assembly and dismantling system, allowing more to be got out of the labour required.

As it is a **modular system**, Adapt® uses elements endowed with **high bearing capacity and stability, making the system very stable and safe.**

The Adapt® multidirectional system is characterised by forming a structural node based on a support with eight positions in disk form.

The connection between the bar and the vertical alignment is carried out by means of a cast steel coupling and mobile wedge to implement the final tightening.

SUPPORT TO SCAFFOLDING SPECIALISTS

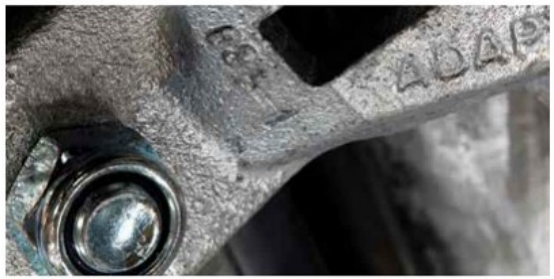


Adaptability in Rehabilitation

Building rehabilitation is a field of usage in which the Adapt® multidirectional system has best illustrated its effectiveness.

The works involved in rehabilitation are highly demanding and they are carried out in inhabited constructions in which there is the circulation of people concurrently with the transport of equipment or goods.

As a small number of elements is used, the Adapt® multidirectional system manages to quickly assume the most varied configurations, requiring only a minimum amount of labour and ensuring the peace of mind of work carried out in total safety.



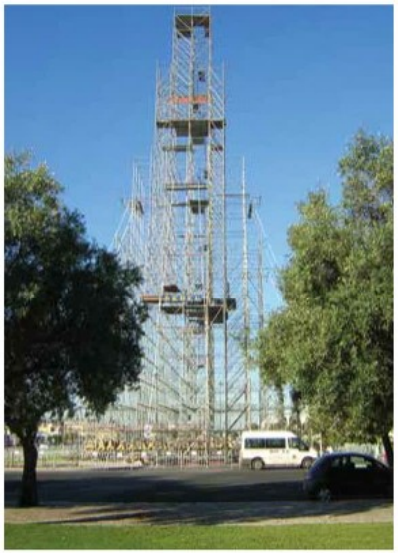
Precision in the Industry

THE PRECISION OF THE MEASUREMENTS AND THE PERFECT FIT OF THE ADAPT® SYSTEM COMPONENTS TO SOLVE THE COMPLEX GEOMETRIES OF INDUSTRY ARE TWO CRITICAL SUCCESS FACTORS IN THIS LINE OF BUSINESS.

The multidirectional capacity of the Adapt® system allows the position angle of the horizontal bars to be varied, adapting to any configuration of the work to be carried out.

However complex the work is, it can be carried out at any height in rapid fashion and without any stoppages or impediments that affect productivity.

Overall Versatility



The Adapt® multidirectional system ensures structural stability without any height limitations.

The assembly of pedestrian crossing gantries is easy to implement using load beams.

Towers, chimneys, tanks endowed with complex geometry, high voltage towers, bridges and viaducts are just some of the works which are easy to carry out deploying the Adapt® multidirectional system. Its use extends to other activity sectors such as aeronautics or ship-building, structures for shows or provisional roofing.

The configuration of suspended work platforms allows repair works to be carried out in the ship-building industry in competitive fashion.

FAÇADE SUPPORTS AND FALSEWORK

The adaptation of the Adapt® system to the formation of false work structures and façade supports is easy and effective.

Adapt® vertical alignments allow axial loads of up to 30 Kn when locked by horizontal bars every 1.5 m and 2.1 Kn when locked at 2 mt.

SHIP-BUILDING

The versatility is quite clear from the repair of petrol tankers or any kind of ship maintenance works.

SHOWS

As well as setting up stages, roofs and support structures, it also allows the assembly of sound and lighting towers quickly and safely.

ROOFS

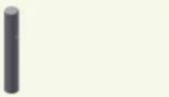
Building and rooftop covering enables the implementation of works irrespective of the climate conditions.

Adapt® - Scaffolding

P010301	TUBES WITH SPIGOT	Weight (Kg)
P0103010500G	Galvanized tube with spigot 0,50m	2,85
P0103011000G	Galvanized tube with spigot 1,00m	5,20
P0103011500G	Galvanized tube with spigot 1,50m	7,50
P0103012000G	Galvanized tube with spigot 2,00m	9,82
P0103012500G	Galvanized tube with spigot 2,50m	12,15
P0103013000G	Galvanized tube with spigot 3,00m	14,50

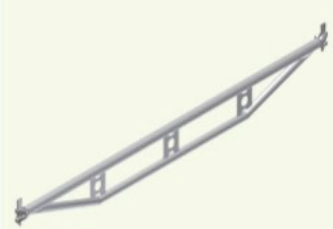
P010302	VERTICAL STANDARD WITHOUT CONNECTING SPIGOT	Weight (Kg)
P0103020500G	Vert std Adapt® without spigot 0,5m galv	2,47
P0103021000G	Vert std Adapt® without spigot 1,0m galv	4,62
P0103021500G	Vert std Adapt® without spigot 1,5m galv	6,92
P0103022000G	Vert std Adapt® without spigot 2,0m galv	9,12
P0103022500G	Vert std Adapt® without spigot 2,5m galv	11,53
P0103023000G	Vert std Adapt® without spigot 3,0m galv	13,88

P0103900005G	1,0 m standard with coupler galv.	6,06



P010199	SEVERAL OF COMMON SCAFFOLDING	Weight (Kg)
P0101990001G	Spigot with 250mm galv.	0,46

P010306	STANDARD BARS	Weight (Kg)
P0103060450G	Galv. Adapt® bar 0,45m	1,98
P0103060732G	Galv. Adapt® bar 0,75m	3,17
P0103061058G	Galv. Adapt® bar 1,00m	4,35
P0103061210G	Galv. Adapt® bar 1,25m	4,90
P0103061442G	Galv. Adapt® bar 1,50m	4,68
P0103061768G	Galv. Adapt® bar 1,75m	5,25
P0103061942G	Galv. Adapt® bar 2,00m	5,97
P0103062268G	Galv. Adapt® bar 2,25m	6,75
P0103062500G	Galv. Adapt® bar 2,50m	7,70
P0103063000G	Galv. Adapt® bar 3,00m	9,20



P010307	REINFORCED BARS	Weight (Kg)
P0103071058G	Galv. Reinforced bar Adapt® 1,00m	6,30
P0103071210G	Galv. Reinforced bar Adapt® 1,25m	6,90
P0103071442G	Galv. Reinforced bar Adapt® 1,50m	7,50
P0103071768G	Galv. Reinforced bar Adapt® 1,75m	9,00
P0103071942G	Galv. Reinforced bar Adapt® 2,00m	10,30
P0103072268G	Galv. Reinforced bar Adapt® 2,25m	11,50
P0103072500G	Galv. Reinforced bar Adapt® 2,50m	12,62
P0103073000G	Galv. Reinforced bar Adapt® 3,00m	15,51

P010309	SQUARE BARS FOR 1.5m	Weight (Kg)
P0103091025G	Galv. frame bar 0,75x0,75m	2,97
P0103091496G	Galv. frame bar 1,00x1,00m	5,50
P0103092039G	Galv. frame bar 1,50x1,50m	6,25
P0103102746G	Galv. frame bar 2,00x2,00m	7,97
P0103113535G	Galv. frame bar 2,50x2,50m	10,40
P0103124243G	Galv. frame bar 3,00x3,00m	12,47

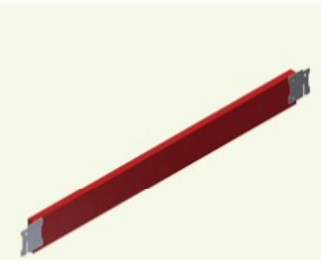
P010361	BAR-BUILDING PLATFORMS FOR TOWERS	Weight (Kg)
P0103611942G	Load tower platform renforcer bar 2,0m	0,00
P0103612500G	Load tower platform renforcer bar 2,5m	0,00
P0103613000G	Load tower platform renforcer bar 3,0m	0,00

P010317	DIAGONAL BRACE STANDARD FOR 2m	Weight (Kg)
P0103172073G	Diagonal Brace Adapt® of 0,75x2m galv.	8,74
P0103172181G	Diagonal Brace Adapt® of 1,00x2m galv.	9,15
P0103172246G	Diagonal Brace Adapt® of 1,25x2m galv.	9,25
P0103172361G	Diagonal Brace Adapt® of 1,50x2m galv.	9,46
P0103172549G	Diagonal Brace Adapt® of 1,75x2m galv.	9,50
P0103172660G	Diagonal Brace Adapt® of 2,00x2m galv.	11,10
P0103172886G	Diagonal Brace Adapt® of 2,25x2m galv.	11,63
P0103173057G	Diagonal Brace Adapt® of 2,50x2m galv.	12,00
P0103173451G	Diagonal Brace Adapt® of 3,00x2m galv.	13,65

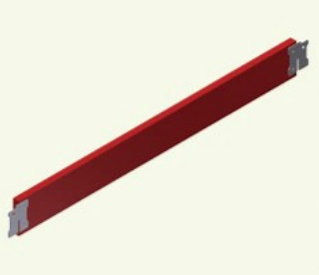
P010318	DIAGONAL BRACE STANDARD FOR 1,5m	Weight (Kg)
P0103181596G	Diagonal Brace Adapt® of 0,75x1,5m galv.	7,62
P0103181734G	Diagonal Brace Adapt® of 1,00x1,5m galv.	8,13
P0103181815G	Diagonal Brace Adapt® of 1,25x1,5m galv.	8,44
P0103181955G	Diagonal Brace Adapt® of 1,50x1,5m galv.	8,96
P0103182179G	Diagonal Brace Adapt® of 1,75x1,5m galv.	9,80
P0103182308G	Diagonal Brace Adapt® of 2,00x1,5m galv.	10,29
P0103182564G	Diagonal Brace Adapt® of 2,25x1,5m galv.	11,25
P0103182756G	Diagonal Brace Adapt® of 2,50x1,5m galv.	11,97
P0103183187G	Diagonal Brace Adapt® of 3,00x1,5m galv.	13,59

P010319	DIAGONAL BRACE STANDARD FOR 1m	Weight (Kg)
P0103191138G	Diagonal Brace Adapt® of 0,75x1m galv.	5,90
P0103191325G	Diagonal Brace Adapt® of 1,00x1m galv.	6,60
P0103191430G	Diagonal Brace Adapt® of 1,25x1m galv.	7,00
P0103191604G	Diagonal Brace Adapt® of 1,50x1m galv.	7,65
P0103191870G	Diagonal Brace Adapt® of 1,75x1m galv.	8,64
P0103192019G	Diagonal Brace Adapt® of 2,00x1m galv.	9,20
P0103192308G	Diagonal Brace Adapt® of 2,25x1m galv.	10,30
P0103192519G	Diagonal Brace Adapt® of 2,50x1m galv.	11,10
P0103192985G	Diagonal Brace Adapt® of 3,00x1m galv.	12,80

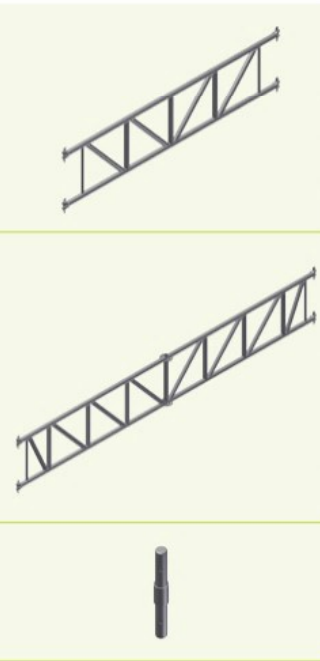
P010320	DIAGONAL BRACE STANDARD FOR 0,5m	Weight (Kg)
P0103200739G	Diagonal Brace Adapt® of 0,75x0,5m galv.	3,50
P0103202073G	Diagonal Brace Adapt® of 2,00x0,5m galv.	8,53
P0103202365G	Diagonal Brace Adapt® of 2,50x0,5m galv.	8,70



P010325	LATERAL TOE BOARD	Weight (Kg)
P0103250732	Lateral toe board Adapt® of 0,75m	1,72
P0103251058	Lateral toe board Adapt® of 1,00m	2,75
P0103251210	Lateral toe board Adapt® of 1,25m	2,47
P0103251442	Lateral toe board Adapt® of 1,50m	2,97
P0103251768	Lateral toe board Adapt® of 1,75m	3,60
P0103251942	Lateral toe board Adapt® of 2,00m	3,97
P0103252268	Lateral toe board Adapt® of 2,25m	4,70
P0103252500	Lateral toe board Adapt® of 2,50m	5,20
P0103253000	Lateral toe board Adapt® of 3,00m	6,00



P010326	TOE BOARD	Weight (Kg)
P0103260732	Toe board Adapt® of 0,75m	1,65
P0103261058	Toe board Adapt® of 1,00m	2,20
P0103261210	Toe board Adapt® of 1,25m	2,55
P0103261442	Toe board Adapt® of 1,50m	3,00
P0103261768	Toe board Adapt® of 1,75m	3,62
P0103261942	Toe board Adapt® of 2,00m	4,10
P0103262268	Toe board Adapt® of 2,25m	4,72
P0103262500	Toe board Adapt® of 2,50m	5,13
P0103263000	Toe board Adapt® of 3,00m	6,16



P010329	STEEL LATTICE BEAM	Weight (Kg)
P0103291058G	Steel lattice beam Adapt® of 1m galv.	11,00
P0103291210G	Steel lattice beam Adapt® of 1,25m galv.	11,70
P0103291442G	Steel lattice beam Adapt® of 1,5m galv.	13,00
P0103291942G	Steel lattice beam Adapt® of 2m galv.	22,30
P0103292500G	Steel lattice beam Adapt® of 2,5m galv.	22,60
P0103293000G	Steel lattice beam Adapt® of 3m galv.	32,90
P0103293884G	Steel lattice beam Adapt® of 4m galv.	42,80
P0103295000G	Steel lattice beam Adapt® of 5m galv.	52,60
P0103295826G	Steel lattice beam Adapt® of 6m (2+2+2)galv	62,10
P0103296000G	Steel lattice beam Adapt® of 6m (3+3)galv	62,10
P0103900009G	Spigot Dual 380mm w/ beams load Galv.	0,93

P010333	PROTECTION PROP	Weight (Kg)
P0103332000G	Protection prop Adapt® of 2m galv.	7,32
P0103332001G	Protection prop Adapt® of 2m galv.	7,32

P010334	CONSOLE FOR ASSEMBLY	Weight (Kg)
P0103340435G	Console for assembly Adapt® of 0,45m galv.	5,60
P0103340732G	Console for assembly Adapt® of 0,75m galv.	8,40
P0103341058G	Console for assembly Adapt® of 1,00m galv.	10,22

P010335	CONSOLE	Weight (Kg)
P0103350300G	Console Adapt® of 0,3m galv.	3,72
P0103350600G	Console Adapt® of 0,6m galv.	6,47

P0103355	BRACKET SINGLE PLATFORM HITCH 1	Weight (Kg)
P0103355200G	Console Adapt® of 0,2m simple	2,12
P0103355300G	Console Adapt® of 0,3m simple	2,60

P010336	CONSOLE WITH TOP PIECE	Weight (Kg)
P0103360300G	Console Adapt® of 0,3m with top piece galv	4,22

P0103365	SQUARE DECK C / SPIGOT 1 HITCH	Weight (Kg)
P0103365300G	Spigot hop up Adapt® 0.30m	3,40
P0103365600G	Spigot hop up Adapt® 0.60m	4,92

P010338	FRAMES WITH TIP COUPLING	Weight (Kg)
P0103380435G	Frame with coupling Adapt® 0,45m	3,50
P0103380732G	Frame with coupling Adapt® 0,75m	4,80

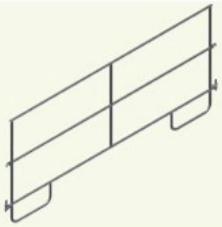
P0103385	INTERMEDIATE BRACKET FOR BARS ADAPT®	Weight (Kg)
P0103385300G	Intermediate bracket p / bar Adapt® 0.30m galv.	4,60
P0103385732G	Intermediate bracket p / bar Adapt® 0.75m galv.	8,40

P010339	BASE COLLAR (VERTICAL FRAME)	Weight (Kg)
P0103390001G	Base collar Adapt® (vertical frame) galv.	1,60

P010340	ADAPTERS	Weight (Kg)
P0103400001G	Adapters Adapt®/NOR galv.	5,00
P0103400100G	Adapters Adapt® de 100mm galv.	1,42

P010341	UMBRELLA BODY ASSEMBLY	Weight (Kg)
P0103410001G	Guardrails for assembly Adapt® galv.	4,00

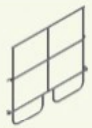
P010290	MERCHANDISES NOR48®	Weight (Kg)
P0102902500G	Adjustable bar for guardrails 2,0-2,5m	6,80
P0102903000G	Adjustable bar for guardrails 2,5-3,0m	7,00



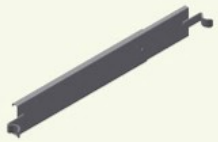
P010342	UMBRELLA BODY MOUNT DEFINITIVE	Weight (Kg)
P0103420732G	Advance dbl guard rail defenitive assembly 0.75m	7,50
P0103421058G	Advance dbl guard rail defenitive assembly 1.00m	9,40
P0103421442G	Advance dbl guard rail defenitive assembly 1.50m	10,50
P0103421942G	Advance dbl guard rail defenitive assembly 2.00m	14,00
P0103422500G	Advance dbl guard rail defenitive assembly 2.50m	16,00
P0103423000G	Advance dbl guard rail defenitive assembly 3.00m	18,00

P010354	ADAPT® PLATFORM SUPPORT	Weight (Kg)
P0103540732G	Galv. platform support Adapt® 0,73m	3,30
P0103541058G	Galv. platform support Adapt® 1,058m	3,80

P010355	SAFETY STOP FOR "PORTILLON" TOWERS WITH SKIRTING	Weight (Kg)
P0103550732G	Safety stop for "portillon" towers with skirting	5,50
P0103551058G	Safety stop for towers 1.0X1.0m with skirting	7,00
P0103560732G	Safety stop for towers 0.75X1.0m without skirting	4,50
P0103561058G	Safety stop for towers 1.0X1.0m without skirting	5,80



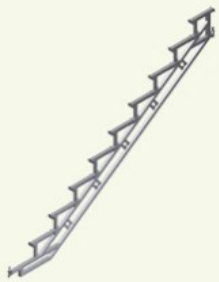
P010357	VARIABLE COMPENSATION PLATFORMS ADAPT® AND ACCESSORIES	Weight (Kg)
P0103571442G	Variable compensation platform 1,5x0,75m	21,70
P0103571443G	Final guardrail for compens. platform 1,5m	10,60
P0103571444G	Toe Board for compensation platform 1,5m	3,70



P010360	KICKING EXTENSIBLE ADAPT®	Weight (Kg)
P0103601442G	Extensible toe board for adj. Platform 0,9-1,5m	5,80

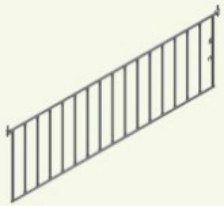
P010358	BARS ADJUSTABLE EXTENSIBLE	Weight (Kg)
P0103580340G	Telescopy bat 0.34-0.50m	2,00
P0103580500G	Telescopy bat 0.50-0.85m	2,80
P0103580900G	Telescopy bat 0.90-1.50m	4,20

P010359	PLATFORM INSIDE CORNER	Weight (Kg)
P0103590300G	Inside corner deck 0.30x0.30m	3,80
P0103590600G	Inside corner deck 0.60x0.60m	12,32



P010365	STAIR FRAME FOR PUBLIC LADDERS	Weight (Kg)
P0103651058G	Stair Frame For Public Ladders 1,0x0,5m	0,00
P0103651442G	Stair Frame For Public Ladders 1,5x1,0m	0,00
P0103653000G	Stair Frame For Public Ladders 3,0x2,0m	0,00

P010366	SIDE PROTECTIONS F/ STAIRS	Weight (Kg)
P0103660732G	Protection Frame (angled) 0,73x1,0m	0,00
P0103661442G	Protection Frame (angled) 1,5x1,0m	0,00
P0103663000G	Protection frame (angled) 3,0x2,0m	0,00



P010367	STRAIGHT PROTECTIONS FOR STAIRWAYS	Weight (Kg)
P0103670732G	Straight protection 0,75x1,0m	0,00
P0103671058G	Straight protection 1,0x1,0m	0,00
P0103671442G	Straight protection 1,5x1,0m	0,00
P0103671942G	Straight protection 2,0x1,0m	0,00
P0103672500G	Straight protection 2,5x1,0m	0,00
P0103673000G	Straight protection 3,0x1,0m	0,00

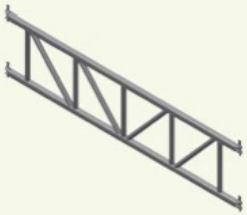
P010390	ADAPT® ACCESSORIES	Weight (Kg)
P0103900001G	Swivel coupler with adapter galv.	1,36
P0103900002G	Double coupler with adapter galv.	1,30
P0103900003G	Disc Adapt® with coupler galv.	0,93
P0103900004G	Standard connector galv.	1,53
P0103900012G	Connecter prop Adapt®	1,53
P0103900008G	Double wedge head Adapt®	1,02
P0103900010G	Angular platform 0,585 x0,575m Adapt® galv.	10,50
P0103900011G	Angular platform 0,935x0,575m Adapt® galv.	13,00
P0103900015G	Angular platform 1,25x0,895m Adapt® galv	15,25

P010399	MISCELLANEOUS ADAPT®	Weight (Kg)
P0103990006G	Adapt® jack base fix	2,10
N524L50000002500	Aluminum handrail for stair tower Adapt®	6,20
P0103482500G	Steel Z handrail for stair tower 2.50m	9,66
P0103483000G	Steel Z handrail for stair tower 3.00m	11,66
N524L56000002500	Access ladder with 2 ladding level 2500x2000x600-Alum	21,20
N524L56000003000	Access ladder with 2 ladding level 3000x2000x600-Alum	25,30
N524L56000101942	Access ladder w/2 top lifting hooks 1942x2000x600mm-Alum.	16,50
N524L59000101942	Access ladder w/2 top lifting hooks 2500x2000x900mm-Alum.	24,40
N524L56000102500	Access ladder w/2 top lifting hooks 1942x2000x600mm -Alum.	20,50
N524L59000102500	Access stairway w/out landing 2500x2000x900mm-Alum	30,30

P010346	STRUCTURE WITH ACCESS ROAD	Weight (Kg)
P0103460600G	Galv. access stairway Adapt® 2,0x0,60m	41,60
P0103460900G	Galv. access stairway Adapt® 2,0x0,90m	60,00

Adapt® - Stages

P010401	BARS FOR ENHANCED STAGE	Weight (Kg)
P0104011058G	Reinforced bar stage Adapt® 1,0m galv	6,30
P0104011442G	Reinforced bar stage Adapt® 1,5m galv	6,90
P0104011942G	Reinforced bar stage Adapt® 2,0m galv	12,58
P0104012500G	Reinforced bar stage Adapt® 2,5m galv	16,49

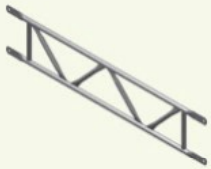


P010405	BEAMS LOAD FOR STAGE	Weight (Kg)
P0104052500G	Beams load Adapt® for stage 2,5m galv.	26,76
P0104053000G	Beams load Adapt® for stage 3,0m galv.	39,48
P0104080001G	Stage Fork	1,40

P010309	SQUARE BARS FOR 1.5m	Weight (Kg)
P0103091496G	Galv. frame bar 1,00x1,00m	5,50
P0103092039G	Galv. frame bar 1,50x1,50m	6,25
P0103102746G	Galv. frame bar 2,00x2,00m	7,97
P0103113535G	Galv. frame bar 2,50x2,50m	10,40
P0103124243G	Galv. frame bar 3,00x3,00m	12,47

Adapt® - Roofs

P010601	STEEL COVER BEAM	Weight (Kg)
P0106011000G	Steel cover beam of 2,0m galv.	9,75
P0106012000G	Steel cover beam of 2,0m galv.	19,50
P0106013000G	Steel cover beam of 3,0m galv.	29,25
P0106014000G	Steel cover beam of 4,0m galv.	39,00
P0106015000G	Steel cover beam of 5,0m galv.	48,80
P0106016000G	Steel cover beam of 6,0m galv.	58,50



P010602	LATTICE BEAM	Weight (Kg)
P0106021942G	Lattice beam of 2,0m galv.	10,92
P0106022500G	Lattice beam of 2,5m galv.	13,65

P010606	PLAIN BAR FOR TILE FIXTURE	Weight (Kg)
P0106062001G	Plain bar for tile fixture of 2,0m galv.	3,86
P0106062501G	Plain bar for tile fixture of 2,5m galv.	4,82

P010607	BAR WITH COUPLER FOR TILE FIXTURE	Weight (Kg)
P0106072000G	Bar with coupler of 2,0m p/ plates galv.	5,25
P0106072500G	Bar with coupler of 2,5m p/ plates galv.	6,57

P010609	STEEL SUPPORT FOR COVER FOR 10°	Weight (Kg)
P0106090732G	Steel support for cover 10° of 0,75m g	7,35
P0106091058G	Steel support for cover 10° of 1,00m g	9,80
P0106100732G	Steel support for cover 25° 0,75m g	9,35
P0106101058G	Steel support for cover 25° 1,00m g	11,80

P010611	COVER CENTREPIECE	Weight (Kg)
P0106110010G	Cover centrepiece for 10° galv.	9,26
P0106110025G	Cover centrepiece for 25° galv.	9,35

P010612	DIAGONAL FOR COVERS	Weight (Kg)
P0106122874G	Diagonal 2,0x2,0m steel cover beam galv.	9,60
P0106123198G	Diagonal 2,5x2,0m steel cover beam galv.	10,90

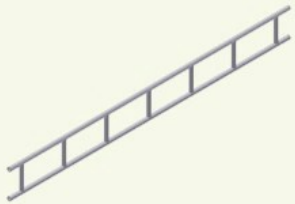
P010690	COVER ACCESSORIES	Weight (Kg)
P0106900001G	Piece for steel support galv.	0,96
P0106900002G	Tip for tensor rod galv.	1,98
P0106900003G	Tube 48x3 c/ 2946mm-Tensor rod galv.	14,80
P0106900004G	Tube 48x3 c/5892mm - Tensor rod galv.	22,10

Common Scaffolding Elements

P010101	TUBES WITH SPIGOT	Weight (Kg)
P0101010500G	Galvanized tube with spigot 0,50m	2,10
P0101011000G	Galvanized tube with spigot 1,00m	3,70
P0101011500G	Galvanized tube with spigot 1,50m	5,33
P0101012000G	Galvanized tube with spigot 2,00m	6,96
P0101012500G	Galvanized tube with spigot 2,50m	8,60
P0101013000G	Galvanized tube with spigot 3,00m	10,11

P010102	COUPLING TUBES	Weight (Kg)
P0101020500G	Galvanized coupling tube 0,50m	1,63
P0101021000G	Galvanized coupling tube 1,00m	3,25
P0101021500G	Galvanized coupling tube 1,50m	4,90
P0101022000G	Galvanized coupling tube 2,00m	6,50
P0101023000G	Galvanized coupling tube 3,00m	9,75
P0101024000G	Galvanized coupling tube 4,00m	13,00
P0101025000G	Galvanized coupling tube 5,00m	16,25
P0101026000G	Galvanized coupling tube 6,00m	19,50

P010103	BASE PLATE	Weight (Kg)
P0101030150G	Galvanized Base plate 150mm	0,95
P0101030160G	Galvanized base plate 160mm	0,95



P010104	PARALLEL BEAMS	Weight (Kg)
P0101042300G	Galvanized parallel beam 2,30m	15,00
P0101043300G	Galvanized parallel beam 3,30m	23,50
P0101044300G	Galvanized parallel beam 4,30m	31,00
P0101045300G	Galvanized parallel beam 5,30m	38,30
P0101046300G	Galvanized parallel beam 6,30m	44,00
P0101048400G	Galvanized parallel beam 8,40m	60,45

P010105	WALL TIE	Weight (Kg)
P0101050450G	Galvanized Wall tie 450x20mm	2,00
P0101051000G	Galvanized Wall tie 1000x20mm	3,97
P0101051500G	Galvanized Wall tie 1500x20mm	4,95

N559	WADDING OF NYLON	Weight (Kg)
N559010140000075	Wadding of nylon exp. de 14x75mm	0,01

P010106	ADJUSTABLE JACK	Weight (Kg)
P0101060500G	Galvanized Adjustable jack 0,50m	2,65
P0101060800G	Galvanized Adjustable jack 0,80m	3,56

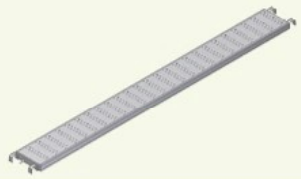
P010107	REVOLVING ADJUSTABLE JACK	Weight (Kg)
P0101070500G	Galvanized adjustable swivel jack 0,50m	3,44
P0101070800G	Galvanized adjustable swivel jack 0,80m	4,16

P010108	ADJUSTABLE WITH FORK	Weight (Kg)
P0101080500G	Fork Head Shoring Screw 230x145mm 0,50m galv.	4,90
P0101080800G	Fork Head Shoring Screw 230x145mm 0,80m galv.	5,85

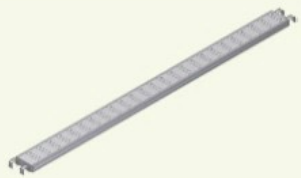
P010110	NON-ADJUSTABLE FORKS	Weight (Kg)
P0101100165G	Shoring Fork 230x145mm S48 with 165mm galv.	2,95
P0101110105G	Shoring Fork 230x150mm S25 with 105mm galv.	2,60

P010114	PULLET OF BRACKETS	Weight (Kg)
P0101140600G	Bracket with pulley 600mm galv.	11,50

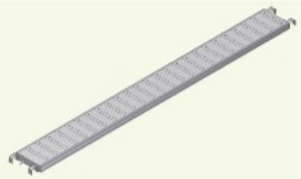
N50	SHEAVES	Weight (Kg)
N501003000o50300	Sheave - CARRUCOLA K50 - Veronil	4,40



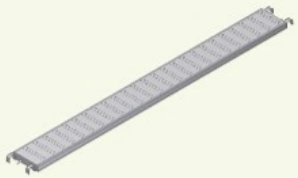
P010150	WORKING DECK WITH OF 300mm	Weight (Kg)
P0101501058G	Working deck of 1,00m galv.	8,80
P0101501442G	Working deck of 1,50m galv.	11,00
P0101501942G	Working deck of 2,00m galv.	15,50
P0101502500G	Working deck of 2,50m galv.	18,20
P0101503000G	Working deck of 3,00m galv.	22,20



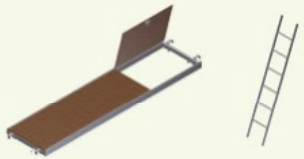
P010152	WORKING DECK WITH OF 200mm	Weight (Kg)
P0101521058G	Working deck of 1,00x0,20m galv.	6,75
P0101521442G	Working deck of 1,50x0,20m galv.	8,75
P0101521942G	Working deck of 2,00x0,20m galv.	11,50
P0101522500G	Working deck of 2,50x0,20m galv.	15,20
P0101523000G	Working deck of 3,00x0,20m galv.	17,00



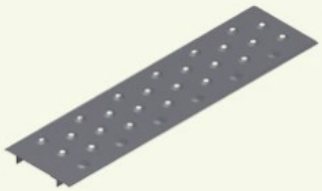
P010154	SPECIFIC WORKING DECK NOR48®	Weight (Kg)
P0101540700G	Working deck NOR48® of 0,70m galv.	6,30
P0101520700G	Working deck of 0,70x0,20m galv.	4,40



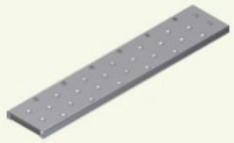
P010156	SPECIFIC WORKING DECK ADAPT®	Weight (Kg)
P0101560732G	Working deck Adapt® of 0,75m galv.	6,30
P0101520732G	Working deck Adapt® of 0,75x0,20m galv.	5,15
P0101561210G	Working deck Adapt® of 1,25m galv.	13,85
P0101561732G	Working deck Adapt® of 1,75m galv.	14,10
P0101562268G	Working deck Adapt® of 2,25m galv.	18,15



P010163	ACCESS DECK ALUMINIUM/CP OF 600mm	Weight (Kg)
P0101631942	Access deck for alum/cp of 2,0m	22,00
P0101632500	Access deck for alum/cp of 2,5m	25,40
P0101633000	Access deck for alum/cp of 3,0m	29,60
N524L5350h002100	Ladder aluminium 2100x350x43mm	2,60



P010167	COMPENSATION DECK	Weight (Kg)
P0101671058G	Infill Deck 1,00x0.15m	5,00
P0101671442G	Infill Deck 1,50x0.15m	7,05
P0101671942G	Infill Deck 2,00x0.15m	9,75
P0101672500G	Infill Deck 2,50x0.15m	12,75
P0101673000G	Infill Deck 3,00x015m	15,60



P010168	BOARDS METAL 200mm	Weight (Kg)
P0101681000G	Metalic Board 1,0x0,20m galv.	5,80
P0101681500G	Metalic Board 1,5x0,20m galv.	8,45
P0101682000G	Metalic Board 2,0x0,20m galv.	11,21
P0101682500G	Metalic Board 2,5x0,20m galv.	13,90

P010118	VERTICAL LADDER OF SEAMAN	Weight (Kg)
P0101181000G	Vertical side ladder 1000x350mm galv	7,00
P0101181500G	Vertical side ladder 1500x350mm galv	10,00
P0101182000G	Vertical side ladder 2000x350mm galv	12,90
P0101183000G	Vertical side ladder 3000x350mm galv	18,75
P0101189350G	Side ladder suporter 350mm galv.	2,00

P010199	SEVERAL OF COMMON SCAFFOLDING	Weight (Kg)
P0102441500G	Horizontal deck suport Nor48® of 1,50m galv.	5,70
P0102442000G	Horizontal deck suport Nor48® of 2,00m galv.	7,30
P0102442500G	Horizontal deck suport Nor48® of 2,50m galv.	9,00
P0102443000G	Horizontal deck suport Nor48® of 3,00m galv.	10,60

N45	SWIVEL COUPLER	Weight (Kg)
N45N5B0480000004	Double coupler	1,22

N46N	DOUBLE COUPLER - FORGED STEEL	Weight (Kg)
N46N5B0480000005	Swivel coupler galv.	1,14

N47	STANDARD SAFETY LOCK	Weight (Kg)
N470610500080000	Standard safety lock 50 for scaffold	0,10

N495	WHEEL	Weight (Kg)
N49560200o000500	Wheel 200/NST-200 with 500mm regulation	5,60
N49560200o000120	Wheel 200/NST/55-200x50	3,10

EUROPEAN FAÇADE SCAFFOLDING

NOR48®

Developing and Manufacturing a Rapid Solution

When manufacturing the Nor48® façade scaffolding system, state-of-the-art production technology is used with a view to obtaining the best economic productivity index and high product quality.

Deploying modern manufacturing processed, using a small number of operations and great speed, the Nor48® façade scaffolding system has thus become a highly competitive system.

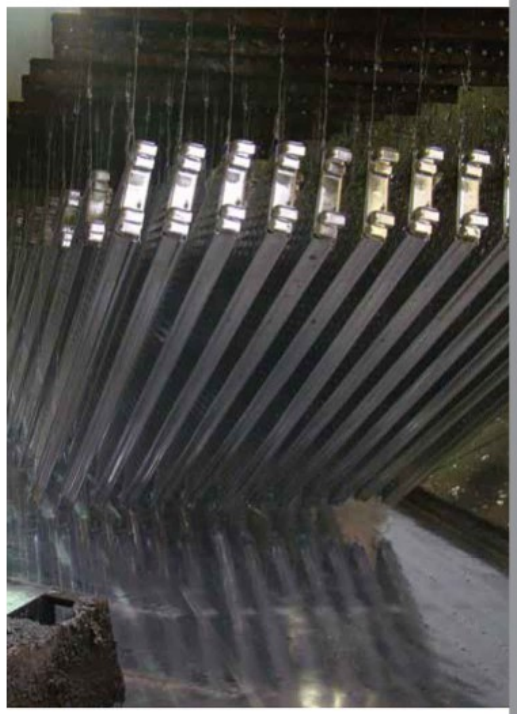
THE NOR48® FAÇADE SCAFFOLDING SYSTEM WAS DEVELOPED IN LINE WITH TWO IMPORTANT PREMISES: **EASE OF MANUFACTURE AND SPEED OF ASSEMBLY AND DISMANTLING**.

The advantages are immediate: it is an economic product and it allows operating costs to be cut by using less labour. The Nor48® system maintains the high quality standards required by the standardisation system that certifies the product. By meeting the requirements of the European Standards EN 12810 and EN 12811,

Once welded, the elements going to make up the Nor48® system are individually inspected for subsequent dispatch in perfect condition to the hot-dip installations.

The protection ensured by the zinc guarantees an increase in the working life of the product and hence a greater yield.

The Nor48® system enables the formation of stable, high-security scaffolding structures, deploying a low number of components to simplify and facilitate assembly and dismantling.



Productivity in Work at a Height

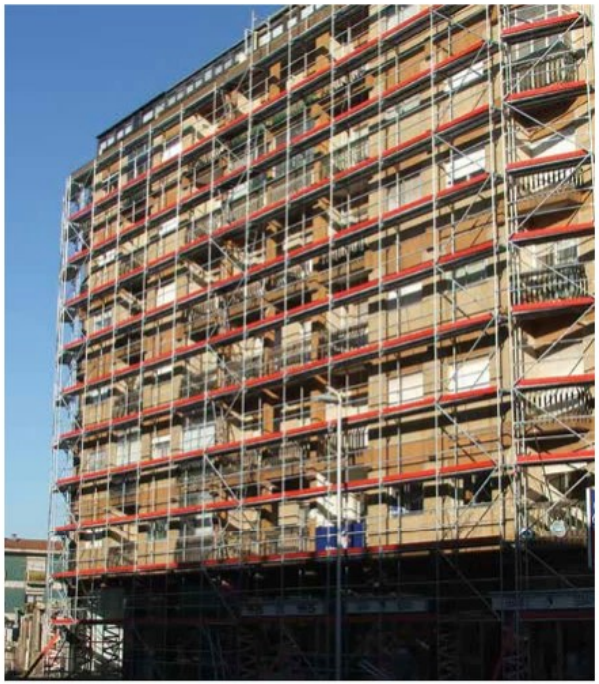
The Nor48® façade scaffolding system meets two major requirements:

ECONOMY

The system incorporates elements which are simpler and easy to produce.

PRODUCTIVITY

By cutting assembly and dismantling labour costs.



As these two requirements are highly important, the Nor48® has other requirements which are no less important, making it a highly competitive system:

EASE OF USE

Promoted by a simple, resistant slotting technique which also allows very speedy scaffolding structure formation.

INTERNATIONAL STANDARDISATION

The whole system is certified and manufactured in line with European standards, ensuring, from the outset, total safety in its usage.

SAFETY

The Nor48® scaffolding system is safe and stable for working at a height.

EASE OF TRANSPORT AND STORAGE

These two major aspects were taken into account by the technical department during their development.

MAINTENANCE

The system is very easy to maintain, requiring little work in operations at the works' site or at the building site.

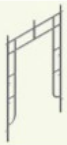
Formed by very few components, the Nor48® façade scaffolding system is the easiest system to assemble and dismantle, affording the high productivity and safety needed to work at any height.

Nor48® Elements

P010201	ASSEMBLY FRAME CLOSED OF 2m	Weight (Kg)
P0102010350G	Assemby frame Nor48®-F 0,35x2,0m galv.	20,50
P0102010700G	Assemby frame Nor48®-F 0,7x2,0m galv.	19,60
P0102011000G	Assemby frame Nor48®-F 1,0x2,0m galv.	24,50
P0102030700G	Assemby frame Nor48®-0,7x2,0m w/ inside hooks galv.	19,80
P0102031000G	Assemby frame Nor48®-1,0x2,0m w/ inside hooks galv.	24,70

P010202	ASSEMBLY FRAME OPEN OF 2m	Weight (Kg)
P0102020700G	Assemby frame Nor48®-A 0,7x2,0m galv.	18,90

P010208	ASSEMBLY FRAME CLOSED OF 1m	Weight (Kg)
P0102080700G	Assemby frame Nor48®-F 0,7x1,0m galv.	11,50
P0102081000G	Assemby frame Nor48®-F 1,0x1,0 m galv.	12,60



P010210	PASSING THRU FRAME	Weight (Kg)
P0102101400G	Passing thru frame Nor48® 1,4x2,3m galv.	27,50
P0102900005G	Reinforcement for passage bar	5,10

P010212	BARS STANDARD	Weight (Kg)
P0102120700G	Bar Nor48® of 0,70 m galv.	1,19
P0102121058G	Bar Nor48® of 1,00 m galv.	1,50
P0102121442G	Bar Nor48® of 1,50 m galv.	2,33
P0102121942G	Bar Nor48® of 2,00 m galv.	3,30
P0102122500G	Bar Nor48® of 2,50 m galv.	3,90
P0102123000G	Bar Nor48® of 3,00 m galv.	4,58

P010215	ADJUSTABLE BAR	Weight (Kg)
P0102151200G	Adjustable bar Nor48® of 1,2m galv.	3,76

P010218	DIAGONAL BRACE STANDARD OF 2m	Weight (Kg)
P0102182114G	Diagonal brace Nor48® of 0,70x2,0m galv.	7,30
P0102182258G	Diagonal brace Nor48® of 1,00x2,0m galv.	7,80
P0102182462G	Diagonal brace Nor48® of 1,50x2,0m galv.	8,50
P0102182784G	Diagonal brace Nor48® of 2,00x2,0m galv.	9,60
P0102183198G	Diagonal brace Nor48® of 2,50x2,0m galv.	10,90
P0102183603G	Diagonal brace Nor48® of 3,00x2,0m galv.	12,30

P010219	DIAGONAL BRACE STANDARD OF 1m	Weight (Kg)
P0102191414G	Diagonal brace Nor48® of 1,00x1,0m galv.	5,00
P0102191755G	Diagonal brace Nor48® of 1,50x1,0m galv.	7,30
P0102192184G	Diagonal brace Nor48® of 2,00x1,0m galv.	7,50
P0102192693G	Diagonal brace Nor48® of 2,50x1,0m galv.	9,20
P0102193162G	Diagonal brace Nor48® of 3,00x1,0m galv.	10,80

P010223	LATERAL TOE BOARD	Weight (Kg)
P0102230700	Lateral toe board Nor48® of 0,70m	2,05
P0102231000	Lateral toe board Nor48® of 1,00m	2,36

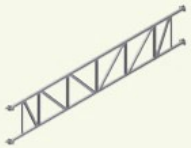
P010224	TOE BOARD	Weight (Kg)
P0102240700	Toe board Nor48® of 0,70m	2,50
P0102241058	Toe board Nor48® of 1,00m	2,80
P0102241442	Toe board Nor48® of 1,50m	3,40
P0102241942	Toe board Nor48® of 2,00m	4,10
P0102242500	Toe board Nor48® of 2,50m	5,60
P0102243000	Toe board Nor48® of 3,00m	6,25

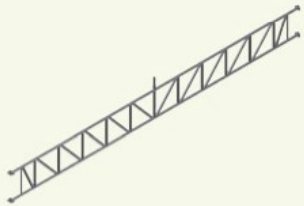
P010228	TERMINAL GUARDRAIL (BODY GARD)	Weight (Kg)
P0102280100G	Simple terminal guardrail 1m galv	4,00
P0102280700G	Terminal guardrail (body gard) 0,7x1m g.	5,65
P0102281000G	Terminal guardrail (body gard) 1,0x1m g	6,00
P0102280701G	Terminal scaffold w / 0.70 x2,0m galv.	9,31

P010229	LATERAL SCAFFOLD ENDING	Weight (Kg)
P0102290700G	Lateral scaffold terminal of 0,7x1m g	10,46
P0102291000G	Lateral scaffold terminal of 1,0x1m galv.	12,20

P010231	END GUARDRAIL	Weight (Kg)
P0102310700G	Side guardrail Nor48® of 0,7m galv.	2,53
P0102311000G	Side guardrail Nor48® of 1,0m galv.	3,07

P010233	FRAMES	Weight (Kg)
P0102330700G	Frame Nor48® of 0,7m galv.	2,41
P0102331000G	Frame Nor48® of 1,0m galv.	3,07





P010235	STEEL LATTICE BEAM	Weight (Kg)
P0102352500G	Steel lattice beam Nor48® of 2,5m galv.	19,75
P0102353000G	Steel lattice beam Nor48® of 3m galv.	23,50
P0102354000G	Steel lattice beam Nor48® of 4m galv.	31,00
P0102355000G	Steel lattice beam Nor48® of 5m galv.	38,30
P0102356000G	Steel lattice beam Nor48® of 6m galv.	49,00

P010237	CONSOLES	Weight (Kg)
P0102370300G	Console Nor48® of 0,30m galv.	4,05
P0102380300G	Console Nor48® of 0,30m with top piece galv.	5,74

P010239	CONSOLE FOR ASSEMBLY	Weight (Kg)
P0102390700G	Console w/ Spigot Nor48® of 0,70m galv.	7,00
P0102391000G	Console w/ spigot Nor48® of 1,00m galv.	15,50

P010243	PROTECTION PROP	Weight (Kg)
P0102432000G	Protection prop of 2,0m galv.	6,30

P010244	HORIZONTAL DECK SUPORT	Weight (Kg)
P0102440700G	Horizontal deck suport Nor48® of 0,70m galv.	3,25
P0102441000G	Horizontal deck suport Nor48® of 0,7m w/ pin galv.	3,50
P0102450700G	Horizontal deck suport Nor48® of 1,00m galv.	3,70

P010248	ADAPTERS	Weight (Kg)
P0102480001G	Adapters Nor48®/Adapt® galv.	3,00
P0102480010G	Adapters Nor48® of 10mm galv.	1,08

P010249	UMBRELLA BODY ASSEMBLY	Weight (Kg)
P0102490001G	Advance simple Guardrail Nor48® galv.	4,00

P010290	NOR48® ACCESSORIES	Weight (Kg)
P0102902500G	Adjustable bar for guardrails 2,0-2,5m	6,80
P0102903000G	Adjustable bar for guardrails 2,5-3,0m	7,00

P010290	NOR48® ACCESSORIES	Weight (Kg)
P0102900003Z	Complete Hook f/ scaffold w/ bolt zinc.	0,35

P0102900004G	Hook complete w/ coupler galv.	0,70

P0102900006G	Pined coupler for toe board galv.	0,90

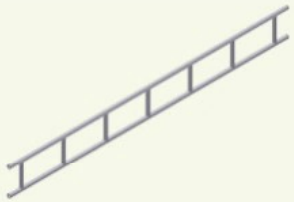
Common Elements Nor48®

P010101	TUBES WITH PLUG	Weight (Kg)
P0101010500G	Galv. tube with plug 0,50m	2,10
P0101011000G	Galv. tube with plug 1,00m	3,70
P0101011500G	Galv. tube with plug 1,50m	5,33
P0101012000G	Galv. tube with plug 2,00m	6,96
P0101012500G	Galv. tube with plug 2,50m	8,60
P0101013000G	Galv. tube with plug 3,00m	10,11

P010102	GALVANIZED COUPLING TUBE	Weight (Kg)
P0101020500G	Galvanized coupling tube of 0,50m galv.	1,63
P0101021000G	Galvanized coupling tube of 1,00m galv.	3,25
P0101021500G	Galvanized coupling tube of 1,50m galv.	4,90
P0101022000G	Galvanized coupling tube of 2,00m galv.	6,50
P0101023000G	Galvanized coupling tube of 3,00m galv.	9,75
P0101024000G	Galvanized coupling tube of 4,00m galv.	13,00
P0101025000G	Galvanized coupling tube of 5,00m galv.	16,25
P0101026000G	Galvanized coupling tube of 6,00m galv.	19,50

P010103	BASE PLATE	Weight (Kg)
P0101030150G	Base Plate of 150mm galv.	0,95

P0101030160G	Base plate on top of 160mm galv.	0,95



P010104	PARALLEL BEAM	Weight (Kg)
P0101042300G	Parallel beam of 2,30m galv.	15,00
P0101043300G	Parallel beam of 3,30m galv.	23,50
P0101044300G	Parallel beam of 4,30m galv.	31,00
P0101045300G	Parallel beam of 5,30m galv.	38,30
P0101046300G	Parallel beam of 6,30m galv.	44,00
P0101048400G	Parallel beam of 8,40m galv.	60,45

P010105	WALL TIE	Weight (Kg)
P0101050450G	Wall tie of 450x20mm galv.	2,00
P0101051000G	Wall tie of 1000x20mm galv.	3,97
P0101051500G	Wall tie of 1500x20mm galv.	4,95

N559	WADDING OF NYLON	Weight (Kg)
N559010140000075	Wadding of nylon exp. de 14x75mm	0,01

P010106	ADJUSTABLE BASE	Weight (Kg)
P0101060500G	Adjustable base of 0,50m galv.	2,65
P0101060800G	Adjustable base of 0,80m galv.	3,56

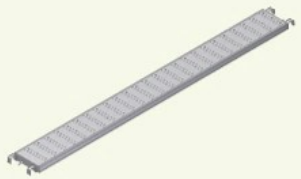
P010107	ADJUSTABLE SWIVEL BASE	Weight (Kg)
P0101070500G	Adjustable swivel base of 0,50m galv.	3,44
P0101070800G	Adjustable swivel base of 0,80m galv.	4,16

P010108	ADJUSTABLE WITH FORK	Weight (Kg)
P0101080500G	Fork Head Shoring Screw 230x145mm 0,50m galv.	4,90
P0101080800G	Fork Head Shoring Screw 230x145mm 0,80m galv.	5,85

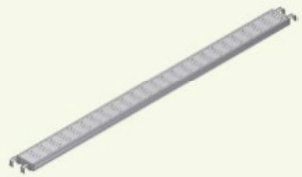
P010110	FORKS WITHOUT ADJUSTMENT	Weight (Kg)
P0101100165G	Shoring Fork 230x145mm S48 with 165mm galv.	2,95
P0101110105G	Shoring Fork 230x150mm S25 with 105mm galv.	2,60

P010114	PULLET OF BRACKETS	Weight (Kg)
P0101140600G	Bracket with pulley 600mm galv.	11,50

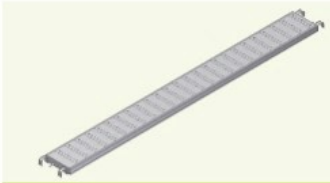
N50	SHEAVES	Weight (Kg)
N501003000o50300	Sheave - CARRUCOLA K50	4,40



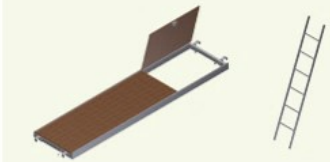
P010150	WORKING DECK WITH OF 300mm	Weight (Kg)
P0101501058G	Working deck of 1,00m galv.	8,80
P0101501442G	Working deck of 1,50m galv.	11,00
P0101501942G	Working deck of 2,00m galv.	15,50
P0101502500G	Working deck of 2,50m galv.	18,20
P0101503000G	Working deck of 3,00m galv.	22,20



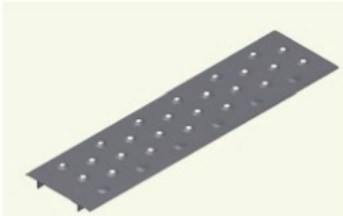
P010152	WORKING DECK WITH OF 200mm	Weight (Kg)
P0101521058G	Working deck of 1,00x0,20m galv.	6,75
P0101521442G	Working deck of 1,50x0,20m galv.	8,75
P0101521942G	Working deck of 2,00x0,20m galv.	11,50
P0101522500G	Working deck of 2,50x0,20m galv.	15,20
P0101523000G	Working deck of 3,00x0,20m galv.	17,00



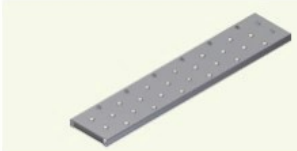
P010154	ESP. WORKING DECK NOR48®	Weight (Kg)
P0101540700G	Working deck Nor48® of 0,70m galv.	6,30
P0101520700G	Working deck of 0,70x0,20m galv.	4,40



P010163	ACCESS DECK ALUMINIUM/CP OF 600mm	Weight (Kg)
P0101631942	Access deck for alum/cp of 2,0m	22,00
P0101632500	Access deck for alum/cp of 2,5m	25,40
P0101633000	Access deck for alum/cp of 3,0m	29,60
N524L5350h002100	Ladder aluminium 2100x350x43mm	2,60



P010167	COMPENSATION DECK	Weight (Kg)
P0101671058G	Infill Deck 1,00x0.15m	5,00
P0101671442G	Infill Deck 1,50x0.15m	7,05
P0101671942G	Infill Deck 2,00x0.15m	9,75
P0101672500G	Infill Deck 2,50x0.15m	12,75
P0101673000G	Infill Deck 3,00x015m	15,60



P010168	BOARDS METAL 200mm	Weight (Kg)
P0101681000G	Metalic Board 1,0x0,20m galv.	5,80
P0101681500G	Metalic Board 1,5x0,20m galv.	8,45
P0101682000G	Metalic Board 2,0x0,20m galv.	11,21
P0101682500G	Metalic Board 2,5x0,20m galv.	13,90

P010118	VERTICAL LADDER OF SEAMAN	Weight (Kg)
P0101181000G	Vertical side ladder 1000x350mm galv	7,00
P0101181500G	Vertical side ladder 1500x350mm galv	10,00
P0101182000G	Vertical side ladder 2000x350mm galv	12,90
P0101183000G	Vertical side ladder 3000x350mm galv	18,75
P0101189350G	Side ladder suporter 350mm galv.	2,00

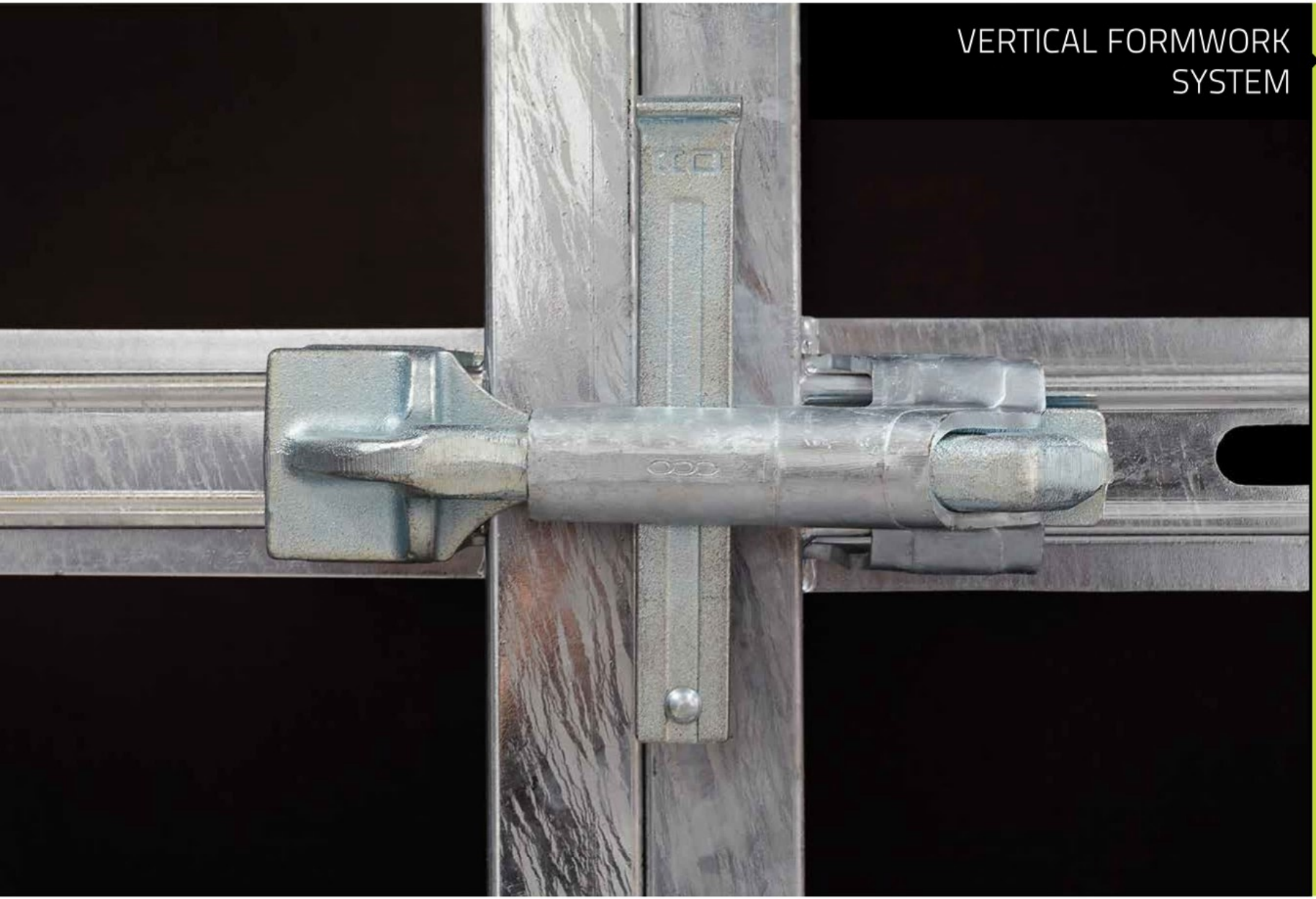
P010199	SEVERAL OF COMMON SCAFFOLDING	Weight (Kg)
P0102441500G	Horizontal deck suport Nor48® of 1,50m galv.	5,70
P0102442000G	Horizontal deck suport Nor48® of 2,00m galv.	7,30
P0102442500G	Horizontal deck suport Nor48® of 2,50m galv.	9,00
P0102443000G	Horizontal deck suport Nor48® of 3,00m galv.	10,60

N45	SWIVEL COUPLER	Weight (Kg)
N45N5B0480000004	Double coupler	1,22

N46N	DOUBLE COUPLER	Weight (Kg)
N46N5B0480000005	Swivel coupler galv.	1,14

N47	STANDARD SAFETY LOCK	Weight (Kg)
N470610500080000	Standard safety lock 50 for scaffold	0,10

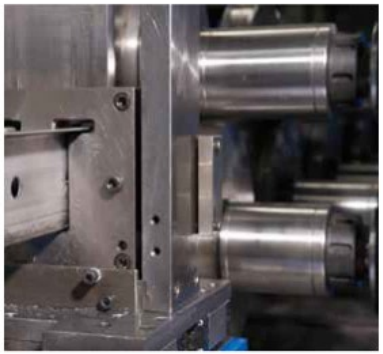
N495	WHEEL	Weight (Kg)
N49560200o000500	Wheel 200/NST-200 with 500mm regulation	5,60

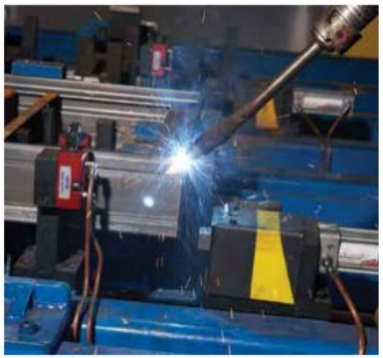


VERTICAL FORMWORK SYSTEM

FORTEKO®

Manufacturing with Quality

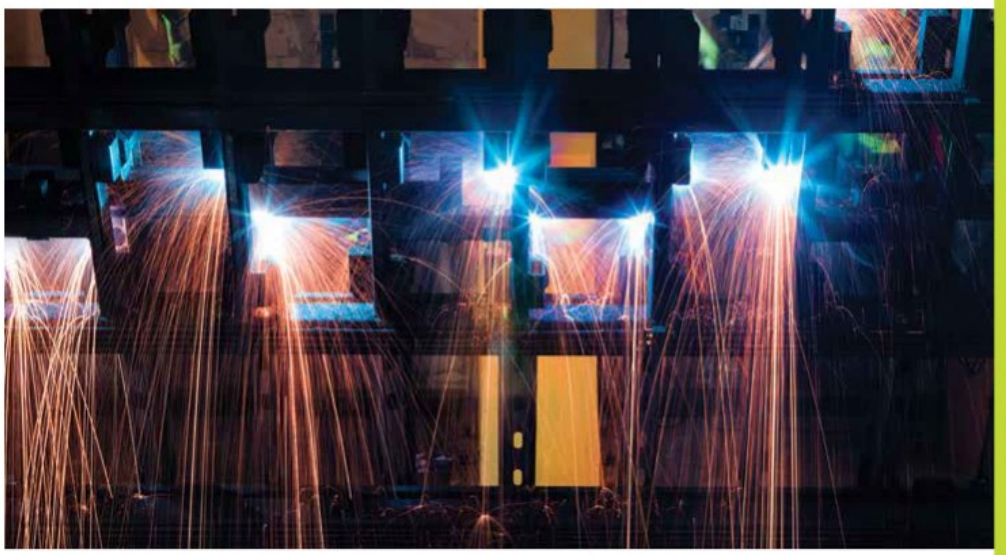




SOSIA

The components are mass produced and when they are inter-connected they form complex, functional systems.

These characteristics allow the great versatility of components which can be combined with each other to form complex multidimensional structures.



Productivity with Quality

After the assembly and welding processes have been completed, corrosion proofing is the next step on the production line. This is achieved using a galvanisation process called 'hot dip". This ensures the longevity of the Metalusa product.

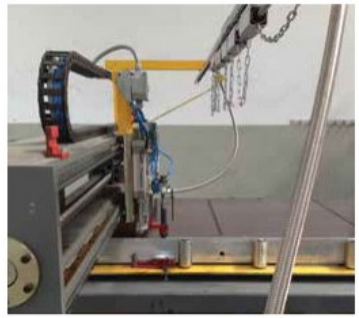
After galvanisation the structures are sent on to the assembly line to finish off the formwork panels.

The galvanisation process for metallic structures is carried out on an ongoing basis. Immediately after the galvanisation process, excess zinc is removed and the panels checked for uniformity.

ALL FORTEKO® COMPONENTS ARE OF THE HIGHEST QUALITY AND ARE MANUFACTURED TO THE EXTREMELY HIGH STANDARD

The assembly process is automated and carried out on a highly productive assembly line.

The final marine plywood assembly process in the galvanised steel structure is carried out in a totally automated manner to obtain a straightened formwork panel that ensures better performance at the works' site.



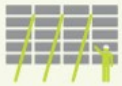
SUPPORT TO FORMWORK SPECIALISTS

CLIENT
Project Development
Putting out of Tender

CONSTRUCTOR
Submission of Bid

Submission of Quote

Works' Planning



Works' Implementation

FORMWORK CONTRACTORS

SOSIA

Engineering Support
Technical Assembly Plans
Budgeting
Delivery Logistics

We help to boost productivity and safety in works involving formwork

1. PROJECT DEVELOPMENT

Putting out of Tender
The team of designers drawing up the project for the Client.
The Client starts planning the project and it is put out to tender.

2. SUBMISSION OF THE BID

The Constructor draws up the technical and financial bid in reply to the tender.

3. SUBMISSION OF THE QUOTE

The formwork Contractor submits Quote to Constructor.

4. PLANNING OF WORKS' IMPLEMENTATION

Works' planning with the definition of works' progress stages.

5. WORK'S IMPLEMENTATION

Proper planning of formwork assembly and dismantling operations.

The Forteko® System

The Forteko® vertical formwork system allows versatility on site. It is a system to suit all types of works such as walls, side walls, beams and pillars. Forteko® panels can be combined in either the vertical or horizontal position without restriction.

Forteko® panels are available at two different heights; 1,0m and 3,0m and in 15 different widths (0,30m; 0,35m; 0,40m; 0,45m; 0,50m; 0,55m; 0,60m; 0,90m; 1,0m; 1,20m and 2,40m – normal and 0,55m; 0,75m; 0,95m; 1,35m variable) making various combinations possible.

Forteko® vertical panels allow the formworking of pillars with measurements varying every 5 cm with a maximum configuration of 1,20x1,20 m (using only 1 panel). With the use of corner fastenings, Forteko® can also be used to form pillars.

Forteko® formwork comprises a light metallic reinforcement made of special steel and a reinforcement structure to avoid the bending of the panels. The formwork surface which fits into the reinforcement is made of 18mm thick plywood with two faces lined in 220g/m² phenolic film to ensure the good quality of the concrete finish and greater panel durability.

The alignment fastenings allow the panels to be secured to and aligned with each other. They may be aligned automatically and they enable the movement of a series of pre-assembled panels with the aid of the crane.

The Forteko® system can tolerate a maximum pressure of 90kN / m2 during the concrete pour (DIN 18218).

To carry out different combinations with the Forteko® vertical formwork system it is necessary to use fixed fasteners. These components are used to join two panels securely whilst simultaneously aligning two neighbouring panels. These elements may be used in the different connection types: vertical and horizontal panels.

Forteko® formwork is anchored by means of the slots to be found in the panel reinforcement structures.

Forteko® Elements

P020501	VERTICAL PANELS 3.0m - FORTEKO®	Weight (Kg)
P0205010300G	Forteko® Panel System 3,0x0,30m galv.	69,50
P0205010350G	Forteko® Panel System 3,0x0,35m galv.	74,30
P0205010400G	Forteko® Panel System 3,0x0,40m galv.	79,00
P0205010450G	Forteko® Panel System 3,0x0,45m galv.	83,80
P0205010500G	Forteko® Panel System 3,0x0,50m galv.	88,60
P0205010550G	Forteko® Panel System 3,0x0,55m galv.	93,40
P0205010600G	Forteko® Panel System 3,0x0,60m galv.	100,70
P0205010900G	Forteko® Panel System 3,0x0,90m galv.	132,00
P0205011000G	Forteko® Panel System 3,0x1,0m galv.	142,00
P0205011200G	Forteko® Panel System 3,0x1,20m galv.	160,70
P0205012400G	Forteko® Panel System 3,0x2,40m galv.	329,00

P020502	VERTICAL PANELS 1.0m - FORTEKO®	Weight (Kg)
P0205020300G	Forteko® Panel System 1,0x0,30m galv.	25,60
P0205020350G	Forteko® Panel System 1,0x0,35m galv.	27,50
P0205020400G	Forteko® Panel System 1,0x0,40m galv.	29,50
P0205020450G	Forteko® Panel System 1,0x0,45m galv.	31,30
P0205020500G	Forteko® Panel System 1,0x0,50m galv.	33,25
P0205020550G	Forteko® Panel System 1,0x0,55m galv.	35,20
P0205020600G	Forteko® Panel System 1,0x0,60m galv.	39,60
P0205020900G	Forteko® Panel System 1,0x0,90m galv.	53,50
P0205021000G	Forteko® Panel System 1,0x1,0m galv.	57,50
P0205021200G	Vertical Panel Forteko® 1,0x1,20m galv.	65,00
P0205022400G	Vertical Panel Forteko® 1,0x2,40m galv.	112,00

P020507	PANELS OF VARIABLE 3.0m - FORTEKO®	Weight (Kg)
P0205070550G	Forteko® Vari. Panel System 3,0x0,55m	93,40
P0205070750G	Forteko® Vari. Panel System 3,0x0,75m	122,80
P0205070950G	Forteko® Vari. Panel System 3,0x0,95m	136,80
P0205071350G	Forteko® Vari. Panel System 3,0x1,35m	176,00

P020508	PANELS OF VARIABLE 1.0m - FORTEKO®	Weight (Kg)
P0205080550G	Forteko® Vari. Panel System 1,0x0,55m	35,20
P0205080750G	Forteko® Vari. Panel System 1,0x0,75m	45,30
P0205080950G	Forteko® Vari. Panel System 1,0x0,95m	55,50
P0205081350G	Forteko® Vari. Panel System 1,0x1,35m	70,90

P020513	PANEL CORNER	Weight (Kg)
P0205131000G	Internal corner 1,0x0,30x0,30m galv.	39,00
P0205133000G	Internal corner 3,0x0,30x0,30m galv.	108,00

P020514	CORNER PANELS OF PLEADING - FORTEKO®	Weight (Kg)
P0205141000G	Hinged corner 1,0x0,30x0,30m galv.	41,00
P0205143000G	Hinged corner 3,0x0,30x0,30m galv.	113,00

P020515	OUTSIDE CORNER	Weight (Kg)
P0205151000G	Outside corner 1,0m galv.	9,50
P0205153000G	Outside corner 3,0m galv.	25,00

P020520	LOCKS - FORTEKO®	Weight (Kg)
P0205200001G	Clamp (Adjustable) Forteko® galv.	5,43
P0205200002G	Outside Clamp Forteko®	2,21
P0205200003G	Long Clamp 700mm Forteko®	12,47
P0205200004G	Waler clamp 1,5m Forteko®	20,00

P020523	BRACKETS FOR MIXING SYSTEMS	Weight (Kg)
P0205230900G	Platform Brackets 0,90m galv.	14,50

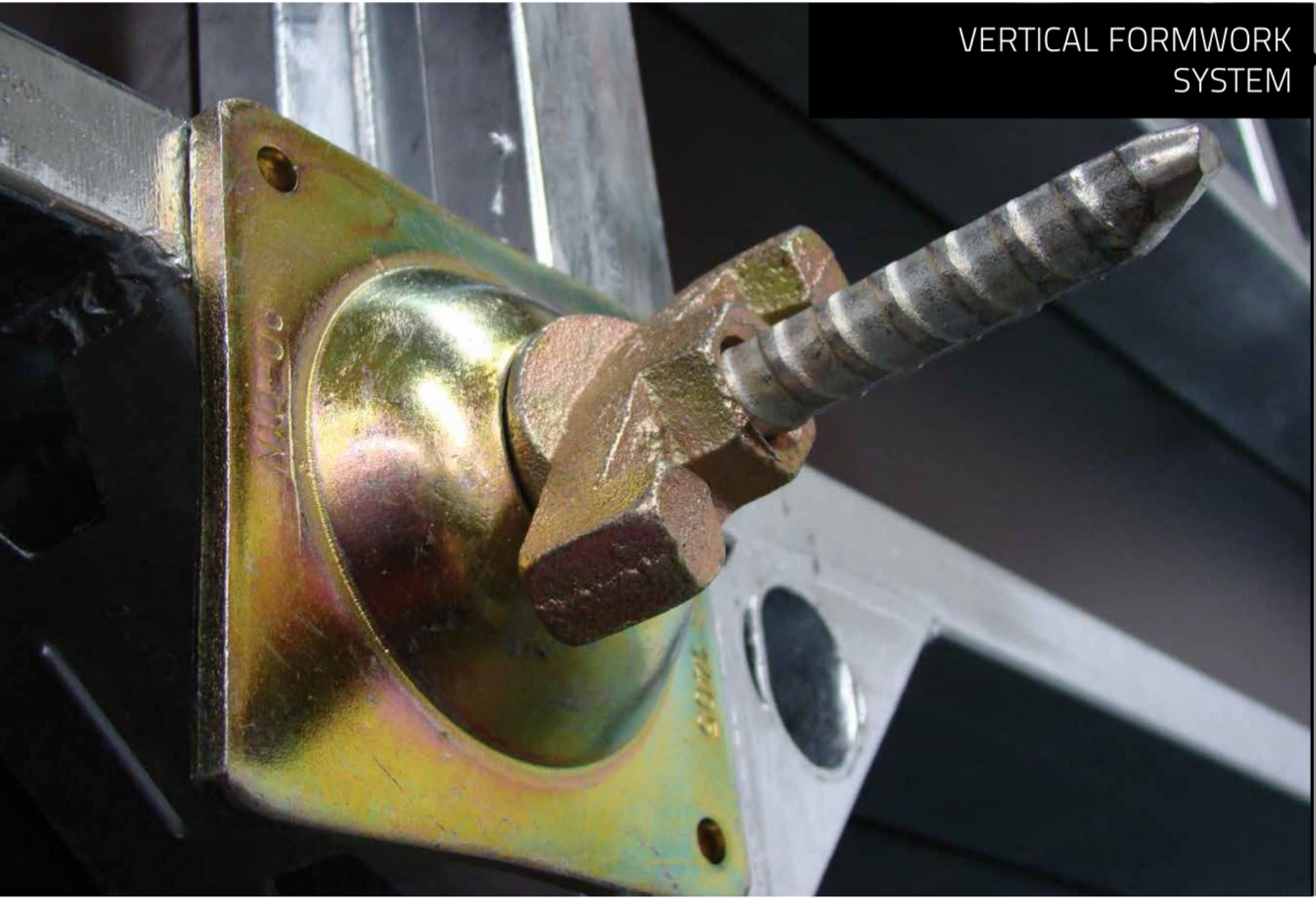
P020524	BRACKETS CLIMBING	Weight (Kg)
P0205240900G	Platform Brackets 1,35m (connect. tie holes)	32,50

P020525	PLATFORMS CONCRETING	Weight (Kg)
P0205251200G	Access Platform Formwork 1,20m - Forteko®	96,00
P0205252400G	Access Platform Formwork 2,40m - Forteko®	178,00
P0205250850G	Access Platform for Column Formwork	132,00
P0205263000G	Full access w / deck Concrete Pillar - 3.0m	45,50
P0205264000G	Full access w / deck Concrete Pillar - 4.0m	60,70
P0205266000G	Full access w / deck Concrete Pillar - 6.0m	91,00
P0205269000G	Full access w / deck Concrete Pillar - 9.0m	136,50
P0205900009G	Lifts for platform galv.	3,00

P020528	COMPENSATION BOARD	Weight (Kg)
P0205281000G	Infill 1000x50mm galv.	8,00
P0205283000G	Infill 3000x50mm galv.	24,00

N56	FORMWORK ACCESSORIES	Weight (Kg)
N560500701500390	Universal Fixing Claw Type 15/17 L=390mm galv.	0,68
N560500701500300	Universal Fixing 15/17 L=300mm galv.	0,65
N560500701500301	Universal Fixing for profile L=300mm galv.	0,55
P0402012250G	Stabilising formwork prop 2,25-3,40m	31,50
P0402012750G	Stabilising formwork prop 2,75-3,90m	46,00
P0402013750G	Stabilising formwork prop 3,75-4,90m	70,80
P0402014750G	Stabilising formwork prop 4,75-5,90m	85,00
I0402900111002	Single Stabilising prop Ø60 - 1,25-2,0m Zn	8,35
I0402900121002	Single Stabilising prop Ø60 - 2,25-3,4m Zn	13,50
I0402900126002	Single Stabilising prop Ø60 - 2,75-3,90m Zn	16,61
I0402900136002	Single Stabilising prop Ø60 - 3,75-4,90m Zn	22,15
I0402900146002	Single Stabilising prop Ø60 - 4,75-5,90m Zn	27,50
I0402900900022	Shoring adapter for Forteko® panels	1,70
N56M61000F000050	Diwidag Nut 50mm	0,00
P0203210900Z	Zn dywidag stay 0,90m	1,45
P0203213000Z	Zinc Dywidag stay 3m	4,30
P0203216000Z	Zinc Dywidag stay 6m	8,60
N560500701500450	dywidag rod 15 curved L=450mm	1,00

P020590	FORTEKO® ACCESSORIES	Weight (Kg)
P0205900001G	Forteko® galv. lifting hook	5,71
P0205900003G	Galv. reinforcement band 0,85mm	10,45
P0205900004G	Galv. reinforcement band 1,50m	18,10
P0205900005G	Forteko® galv. formwork removal plate 1.0m	6,75
P0205900006G	Forteko® galv. formwork removal plate 3.0m	20,25
P0205900008G	Galv. mooring teeth of the panel	1,05
N56M68100F000000	Nut with fixed plate dia. 100-15mm	0,73
N56M68120F000120	Adjustable revolv. plate nut 120x120-15mm	1,48
N32A000250000018	Buffer Ø25x18mm (Yellow) - Forteko® (NOM043)	0,00
N32A000272500000	PVC tube Ø22/27mm	0,23
N32A000370000016	Scale type buffer Ø37x24x16mm (Red) FOR034	0,00
N32A000430000028	Plastic cone Ø43x22x28mm	0,03



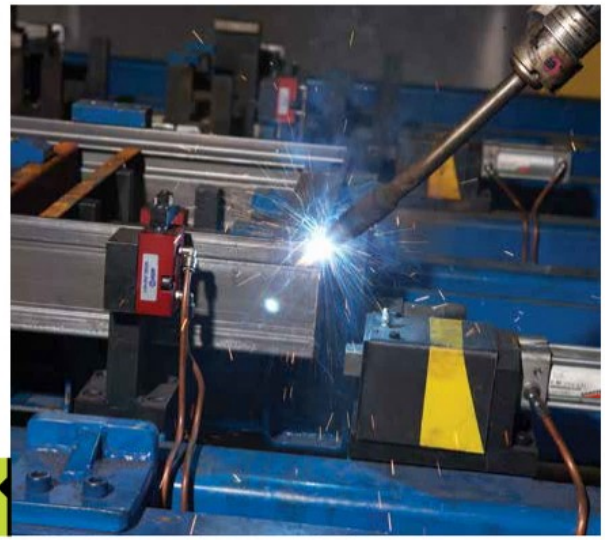
VERTICAL FORMWORK SYSTEM

MODUTEC®

Modutec®: Simple Formwork System for Complex Works

THE **PRECISION OF THE COMPONENTS' POSITIONING**, ALLOWS A HIGH LEVEL OF PERFORMANCE TO BE ACHIEVED IN WORKS CARRIED OUT AT THE WORKS' SITE.

The 'anchorage cone' facilitates the positioning of the dywidag rod and removes the possibility of misalignment in the formwork panels.



The welding quality is obtained from highly productive, extremely precise robotised equipment.

The welded steel structures are burred and straightened then they are inspected by the quality control team.

Then they are galvanised to ensure they are free from corrosion.

The hot dip galvanisation process is carried out at modern industrial installations, protecting structures from corrosion and increasing the working life and yield of the equipment.

The panel begins to take shape as the next step has it placed onto an automated production line where Maritime plywood is added.

Speedy, Economic Formwork System

The Modutec® vertical formwork system comprises a reinforced steel profiled structure with tubular crossbeams to prevent the incurvature of the panels.

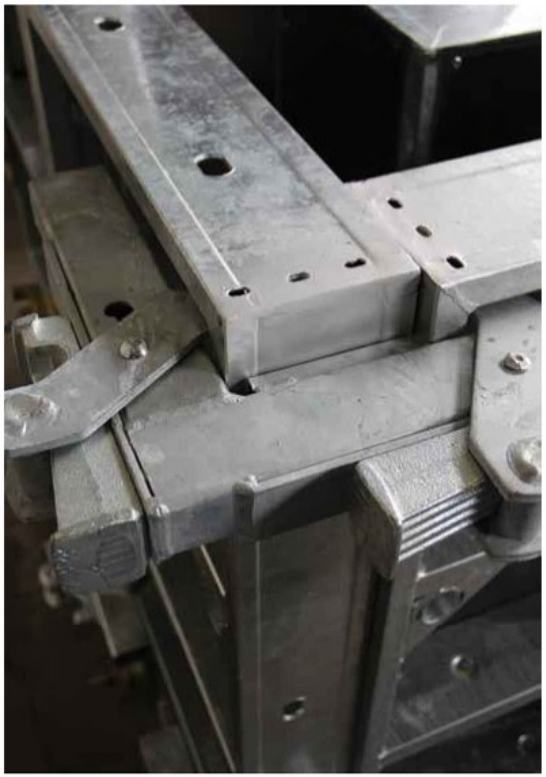
The panels have a fixed height of 1,20 metres or 2,70 metres, with widths varying between 0,30 and 1,20 metres.

The formwork surface is made of maritime plywood which is 15 mm thick with the two faces lined in phenolic film measuring 120 g/m². Hence, not only is good quality achieved in the concrete finish but also the greater durability of the formwork panels.

As the Modutec® formwork system is highly resistant, it is a light system that allows its manual assembly or with the aid of a crane.

The Modutec® formwork system is ideal for the rapid, economical, construction of concrete structures.

With a small number of accessories and very easy to use, Modutec® allows great formwork flexibility which enables a greater yield to be attained, particularly in works that require may operations involving labour or the handling of the formwork.

The quality of the steel used in the production of Modutec® modular structures combined with the exterior profile design allows their use in works with a load strain of up to 60 kN/m².

THE MODUTEC® SYSTEM INCLUDES A **SMALL NUMBER OF ACCESSORIES** WITH A VIEW TO **FACILITATING ASSEMBLY AND IMPROVING THE PRODUCTIVITY** OF THE WORKS AT THE WORKS' SITE.