



OPERATIONS & MAINTENANCE MANUAL

MEGAPAD PEDESTALS

Date: 1 May 2020

PRODUCT DESCRIPTION

MEGAPAD PEDESTAL

35 to 1,020mm in height – injection moulded support pedestals made from virgin fibre Polypropylene (PP) with no fillers.

Adjustable telescopic stem for manual adjustment of height when pedestal are slab installed. Locking nuts in two locations to secure height in position.

Extension Towers to increase height by 100mm.

Integrated headpiece for positioning paving slabs and tiles.

Packed into boxes of 20 units each.

Weight tolerance per unit = 1,560kg.

HEADPIECE

Injection moulded headpiece made from virgin fibre Polypropylene (PP) with no fillers.

Clicks into hole in Megapad headpiece securely to hold tiles in position between lugs.

SLOPE CORRECTOR

Wedge shaped rings at different angles which click onto the underside of the baseplate to adjust the angle of the pedestal for significant falls

APPLICATION

Designed to elevate and support self-supporting tiles manufactured for the purpose of suspended paving and tiling applications on roof decks, podiums and structural surfaces.

Pedestals should be positioned a maximum of 600mm apart. A small positioning lug is attached to the top of the headpiece to hold the porcelain tile or slab in place between positioning lugs moulded into the design.

Installers should always ensure the tiles being installed are specifically designed for the purposes of elevated tiled applications and manufactures should be contacted to confirm tiles can span 600mm distance unsupported.

Series of holes moulded into baseplates allow mechanical fixings to be placed into deck surface beneath.



PHYSICAL AND CHEMICAL PROPERTIES

MEGAPADS

Description	Extra-large and extended thread Adjustable Pedestals with optional slope correctors	
Height	Weight Tolerance	
35-50mm 50-75mm 75-120mm 115-220mm 215-320mm 315-420mm 415-520mm 515-620mm 615-720mm 715-820mm 815-920mm 915-1020mm	Maximum Load: 20,713 N = 2,057kg End of Linear Behaviour: 15,300N = 1,560kg CATAS Test Score 179112 / 1	
Slope correctors	1% 2% 3%	
Material	Polypropylene	
Diameter of Head Piece	150mm	
Diameter of Screw	140mm	
Diameter of Base	200mm	
	Score	Test Method
Melt Flow rate	14-16 Gr / 10'	ASTM D 1238
Weight / density	0.99-1.04 Gr / cm ³	ASTM D 792 Method A
Softening point with load of 5kg (VICAT test)	>75 °C	ASTM D 1525
Heat Deflection Test with load of 1820 kPa	> 90 °C	ASTM D 648
Coefficient of elasticity	1600 Mpa	ASTM D 790
Impact resistance (Izod test - at 23°C)	>40 J/m	ASTM D 256
Impact resistance (Izod test - at minus 20°C)	>20 J/m	ASTM D 256
Max Weight Tolerance at minus 40°C	27.830 N	CATAS 179112 / 1
Fire classification	All MEGAPADS supports are classified as "EUROCLASS E" according to EN 13501-1:2009 Special CLASS B1 (EN 13501-1:2009) rated pedestals can be manufactured upon request.	

ASSEMBLY

Headpiece and baseplate supplied for all sizes. Interior surface of baseplate and exterior surface of headpiece are grooved to create telescopic thread surface which achieves height adjustment by manual twisting of two units.



For heights greater than 120mm, series of towers are twisted into threaded columns on interior surface of baseplate and locked into place via termination clip on tower. Additional towers click into place on top of one another to increase height by 100mm each. Megapad Key (overleaf) used to unlock towers from baseplate.

Megapad Key used to release towers from baseplate fitting. Pinned end pressed into hole moulded into baseplate to release termination clip.



Megapad Key also used to secure locking nuts on thread of headpiece section. Use spanner shaped moulding profile to fit around ridges on the locking nuts to wrench the nuts tightly to lock the height at the required level. Pedestal will not unwind once nuts are secured.

PEDESTALS FIRE CLASSIFICATION

Fire classification	All Adjustable Pedestals are classified as "EUROCLASS E" according to EN 13501-1:2009 Special Class B pedestals can be manufactured by special request
Appearance	Black injection moulded pedestal
Odour	None
pH	n/a
Boiling point	n/a
Softening point	>75°C
Flash point	n/a
Fire classification	EuroClass E
Toxicity	These products are not classified as toxic

PRODUCT CODES

CODE	DESCRIPTION / SIZE
SP-MEG-035-Z	Megapad - PAVING - 35-50mm
SP-MEG-050-Z	Megapad - PAVING - 50-75mm
SP-MEG-075-Z	Megapad - PAVING - 75-120mm
SP-MEG-115-Z	Megapad - PAVING - 115-220mm
SP-MEG-215-Z	Megapad - PAVING - 215-320mm (with 1 Tower)
SP-MEG-315-Z	Megapad - PAVING - 315-420mm (with 2 Towers)
SP-MEG-415-Z	Megapad - PAVING - 415-520mm (with 3 Towers)
SP-MEG-515-Z	Megapad - PAVING - 515-620mm (with 4 Towers)
SP-MEG-615-Z	Megapad - PAVING - 615-720mm (with 5 Towers)
SP-MEG-715-Z	Megapad - PAVING - 715-820mm (with 6 Towers)
SP-MEG-815-Z	Megapad - PAVING - 815-920mm (with 7 Towers)
SP-MEG-915-Z	Megapad - PAVING - 915-1020mm (with 8 Towers)
SP-MEG-TOWER-Z	Megapad Tower
SP-MEG-LUGHEAD2MM-H10-Z	Small 2mm thick Lugged Headpiece for Megapads - 10mm High
SP-MEG-LUGHEAD2MM-Z	2mm thick Lugged Headpiece for Megapads
SP-MEG-LUGHEAD4MM-H10-Z	Small 4mm thick Lugged Headpiece for Megapads - 10mm High
SP-MEG-LUGHEAD4MM-Z	4mm thick Lugged Headpiece for Megapads
SP-MEG-LUGHEAD6MM-Z	6mm thick Lugged Headpiece for Megapads
SP-MEG-LUGHEAD8MM-Z	8mm thick Lugged Headpiece for Megapads
SP-MEG-LUGHEADS-10MM-Z	10mm thick Lugged Headpiece for Megapads
SP-MEG-KEY-Z	Megapad Key

PRODUCT LITERATURE

Included as Appendix A

PRODUCT INSTALLATION

To be used on predominantly flat decks. Units to be placed onto structural decks, sufficiently strong enough to tolerate the weight of the system. System should not be installed on bare earth or ground coverings which have not been adequately strengthened. Waterproofing membranes to be adequately protected before installation of units to prevent point loading and / or puncturing of membrane.

Pedestals are loose-laid without mechanical fixings or adhesive. Paving slabs or tiles are placed onto headpieces and telescopic stems are twisted to alter the height of the pedestals so that the tiles / slabs are flat and level in height.

For Tiling Applications Pedestals to be placed a maximum of 600mm apart.

MAINTENANCE DETAILS

Products are designed to be covered and not disturbed in the long-term. Cavities between the structural deck and the tiles / slabs should be inspected at occasional intervals to ensure drainage channels do not become blocked and flammable material does not collect. Jets of water should be used to remove limited amounts of debris, taking care not to block up or damage drainage outlets. For large or compacted debris build-up, removal of the tiles / slabs and removing the debris by hand or machine may be required.

HAZARDS IDENTIFICATION

The major hazards identified for these products are physical and include manual handling. Sparks may be generated from cutting processes.

Sufficient PPE should be worn at all times.

FIRST-AID MEASURES

In event of cuts and damage from dropped tiles, timber or sharp edges from aluminium rail, wash out wound with plenty of clean water. Seek medical attention

FIRE-FIGHTING MEASURES

These products do not constitute a fire hazard. Use extinguishing media appropriate to the surrounding fire conditions.

ACCIDENTAL RELEASE MEASURES

Polypropylene pedestals are recyclable.

Damaged product can be taken up and disposed of to landfill as inert waste if necessary; however recycling is the preferred method of disposal. As supplied, the products are not classified as hazardous.

HANDLING AND STORAGE

When handling product, due regard should be paid to the risks outlined in the Manual Handling Operations Regulations 1992, appropriate PPE for work with metal should be used.

When cutting the aluminium rail with a saw, appropriate measures to control shrapnel and sharp particles should be used. The product should be stored in a safe and stable manner.

PERSONAL PROTECTIVE EQUIPMENT:

Wear suitable protective clothing e.g. overalls, gloves and safety boots to reduce the chances of physical injury while using this product.

Local Exhaust Ventilation, goggles and a dust mask to the relevant European standard (EN149) may be required if a cutting method that liberates dust is used.

ECOLOGICAL INFORMATION

Subsequent to manufacture, this is a stable product with no known adverse environmental effects.

Wallbarn recommends that products are recycled after their lifespan on the construction project.

DISPOSAL CONSIDERATIONS

Dispose of this product at any approved solid waste disposal site. Disposal of the product should be in accordance with any local or national regulations although recycling is preferred.

WARRANTIES

MEGAPAD PEDESTALS carry a warranty of 15 years. This warranty is a Limited Warranty in the following ways:

- The products are installed in the correct manner and for the proper purpose of the system only.
- The products will comply with the test data as laid out earlier in document.
- Warranty is limited to replacement of products which have been Warranty is limited to the value of the cost price of the materials only, not replacement costs or any other labour cost.

TRANSPORT INFORMATION

Classification for conveyance: - None required.

KEY CONTACTS

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APPENDIX A: WALLBARN PRODUCT BROCHURE

The following table summarizes the documents referenced in this document.

Document Name	Location
MEGAPADS FOR PAVING AND DECKING BROCHURE	https://www.wallbarn.com/pedestals-2/heavy-duty/
Wallbarn Ltd Terms & Conditions	https://www.wallbarn.com/terms-conditions-of-supply/