

Description

Marmox MSP360 (White) is part of our MSP360 Premium Adhesive and Sealant range.

This is an ultra-high-performance, professional, heavy-duty, exterior/interior, ready-to-use adhesive and sealant. It is made in the UK using the latest Advanced Modified Silane-Polymer (MSP) Technology, acquiring the best properties of conventional acrylic, silicone, butyl, polyurethane, and other hybrid-based adhesives/sealants. Therefore, Marmox MSP360 is the all-in-one super solution that replaces all your tubes of adhesives & sealants with just one tube.

MSP360 (White) is a highly elastic sealant, which is ideal for use with all Marmox products, including the whole of the Multiboard range and for use between the joints of Marmox Thermoblocks.

Features

- Exceptionally strong bond with excellent grab properties
- Permanently elastic with outstanding anti-pick performance
- Noise-attenuating adhesive properties
- Non-shrink formulation
- Fast-curing MS Polymer® system
- Can be applied to damp surfaces – cures even underwater
- Suitable for interior and exterior use
- UV and weather resistant
- Resistant to mould and mildew
- Solvent-free, low odour formulation
- Free from isocyanates (found in PU adhesives) and silicone
- Non-corrosive to metals
- Non-staining and can be painted
- Easy to apply and tool
- Complies with GEV requirements, achieving EMICODE EC1PLUS classification (highest standard for indoor air quality)
- Suitable for use in food preparation areas

Usage

| Joint Size (mm) | 6 x 6 | 9 x 6 | 12 x 6 | 25 x 10 | 7 x 7 (Fillet) | 10 x 10 (Fillet) |
|------------------------------|-------|-------|--------|---------|----------------|------------------|
| Linear Meter (per cartridge) | 8.3 | 5.3 | 3.9 | 1.1 | 1.9 | 5.8 |

Substrates

Marmox MSP360 (White) is ideal for use with all Marmox products, e.g., Fireboard and Multiboard, as well as:

- Polystyrene
- Brick/Masonry
- Concrete/Plaster
- Metals (incl. lead)
- Plastics
- Woods
- Tiles
- Glass/Mirrors
- PVC/PVCu
- Ceramics/Stone

Application / Instructions

Marmox MSP360 (White)

- Seal, adhere and install on virtually any surface or material
- Multifunctional installation and construction adhesive suitable for most building materials
- Versatile joint sealant for façades, floors, interior and exterior walls, ceilings and roofs
- Elastic, paintable sealant and filler for joints, seams, cracks, holes and fissures
- Suitable for use in sanitary areas, including plumbing fixtures, floor drains and cold storage units (fungicidal properties)
- UV-resistant glazing compound for top and bead seals in safety glass
- Strong construction adhesive for structural joints, including concrete elements such as balconies and galleries
- Waterproof bonding of post-and-lintel slabs and EPDM membranes in roofs, façades and ponds
- Ideal for bonding and installing metal components in roofs, façades, containers, air ducts and bodywork
- Suitable for fixing mirrors, façade elements, decorative panels and insulation boards without staining
- Repair and maintenance adhesive for construction, industrial, marine and automotive applications



Application / Instructions Continued

All surfaces must be clean and sound, free from dirt, grease, and other contamination.

Cut the cartridge seal and screw on the nozzle, which should be cut to your required size. Using a skeleton gun, apply the sealant into the gap or joint to provide a good, solid fill. If required, place masking tape along edges, removing it within 10 minutes of application.

For gluing applications, apply adhesive in vertical lines at a distance of 20 cm. Do not apply in dabs. Support the item being fixed for 24 hours until full curing occurs.

Emission Data Indoor Air Quality

Marmox MSP360 (White) complies with the requirements of GEV, and the results correspond to the EMICODE emission class EC1^{PLUS}, which is the highest level of environmental and indoor hygiene protection.

Limitations

Marmox MSP360 (White) is not recommended for application on PE, PP, PC, PTFE, wax, soft plastic, neoprene and bituminous surfaces. Not paintable with alkyd resin based paint. Not suitable for applications in direct contact with sealing of insulation glass or in direct contact with natural stone, food stuffs, PVB foil or silver coated mirrors/glass. Not suitable for continuous water loads or dilation joints. Discolouration may occur under certain conditions, such as due to direct contact with chemicals, release of plasticiser from the surface and/or application in dark rooms/spaces.

On porous surfaces such as concrete a primer is recommended. It is the user's responsibility to determine suitability. Adhesion tests prior to application are recommended. Store between +5°C and +25°C in dry conditions.

15 month shelf life from date of manufacture (indicated on label).

Health & Safety

Wash the material from the skin while still wet. Material in contact with eyes should be washed out immediately with water. Seek medical advice if discomfort persists.

More detailed information can be found in the relevant Marmox MSP360 (White) Safety Data Sheet.

Packaging

Marmox MSP360 (White) is available in 290ml cartridges, 12 cartridges per carton. White colour.

Technical Data

| | | |
|-------------------------------------|------|------------|
| Slump ISO 7390 | mm | <2 |
| Density | g/ml | 1.53 |
| Skin Forming Time 23°C / 55%RH | min | 10 |
| Curing (24hrs) 23°C / 55%RH | mm | 2-3 |
| Temperature Resistance After Curing | °C | -40 to 100 |
| Shrinkage | - | Nil |
| Permission Deformation | % | 10 |
| Mechanical Properties, 2mm Filming | | |
| Hardness, Shore A DIN 53505 | - | 60 |
| Modulus, 100% DIN 53504 | MPa | 1.35 |
| Tensile strength DIN 53504 | MPa | 2.20 |
| Elongation at break DIN 53504 | % | 300 |

Certification

EN 15651-1: F-EXT-INT-CC 20HM
 EN 15651: XS3
 EN 15651-4 : EXT-INT-CC 20HM
 EUROFINS LEED®
 BREEAM
 VOC emission class A+
 EMICODE EC1 PLUS



External Application Chart

| Facades - External | |
|--|------|
| Type of Material | Rate |
| Masonry | |
| Concrete / Cellular Concrete / Brickwork | B |
| Granite / Marble / Natural Stone | B |
| Wood | |
| Fibreboard / Veneer | B |
| Solid and Untreated Wood | B |
| Glass / Ceramics | |
| Glass | A |
| Layered Glass | A |
| Reflective Glass | A |
| Metals | |
| Copper and Copper Alloys | B |
| Iron | B |
| Lead | A |
| Stainless Steel | B |
| Untreated and Anodised Aluminium | B |
| Zinc | B |
| Synthetic Materials | |
| Acrylic / Fibreglass | A |
| PMMA (Plexiglass / Perspex) | A |
| Polycarbonate | A |
| PVC and PVCu | A |
| Others | |
| Expansion Joints | A |
| Leadwork | A |
| Plumbing | B |
| Polystyrene | A |
| Stonework | A |

| Roofs | |
|----------------------------------|------|
| Type of Material | Rate |
| Bitumen | C |
| Copper and Copper Alloys | B |
| Expansion Joints | A |
| Glass | A |
| Guttering | A |
| Layered Glass | A |
| Lead | A |
| Leadwork | A |
| Plumbing | B |
| PMMA (Plexiglass / Perspex) | A |
| Polycarbonate | A |
| Polystyrene | A |
| Reflective Glass | A |
| Stainless Steel | B |
| Stonework | A |
| Untreated and Anodised Aluminium | B |
| Woodwork | B |
| Zinc | B |

Due to the diversity of applications and substrates, Marmox (UK) Ltd cannot accept responsibility for results obtained using this chart.

It is suggested that a preliminary test be carried out first to check bond and seal.



Internal Applications

General Areas - Internal

| Type of Material | Rate |
|--|------|
| Masonry | |
| Cementitious Fibre | B |
| Concrete / Cellular Concrete / Brickwork | B |
| Granite / Marble / Natural Stone | B |
| Plaster | B |
| Wood | |
| Fibreboard / Veneer | B |
| Solid and Untreated Wood | A |
| Glass / Ceramics | |
| Ceramics / Porcelain | A |
| Glass | A |
| Layered Glass | A |
| Reflective Glass | A |
| Metals | |
| Copper and Copper Alloys | B |
| Iron | B |
| Lead | A |
| Stainless Steel | B |
| Untreated and Anodised Aluminium | B |
| Zinc | B |
| Synthetic Materials | |
| Acrylic / Fibreglass | A |
| PMMA (Plexiglass / Perspex) | B |
| Polycarbonate | B |
| Polyester | B |
| PVC and PVCu | A |
| Others | |
| Acoustics Sealing | A |
| Dry Lining | B |
| Ductwork | B |
| Expansion Joints | A |
| Frame Fixing | B |
| Internal Frame Sealing | B |
| Low Emission Zones | B |
| Mirror Fixing | B |
| Plumbing | B |
| Polystyrene | B |
| Skirting & Architraves | B |
| Stonework | B |
| Woodwork | B |



Internal Applications Continued...

Bathrooms / Sanitary / Public Bath Houses

| Type of Material | Rate |
|--|------|
| Masonry | |
| Cementitious Fibre | B |
| Concrete / Cellular Concrete / Brickwork | B |
| Granite / Marble / Natural Stone | B |
| Glass / Ceramics | |
| Ceramics / Porcelain | A |
| Glass | A |
| Layered Glass | A |
| Metals | |
| Copper and Copper Alloys | B |
| Stainless Steel | B |
| Untreated and Anodised Aluminium | B |
| Zinc | B |
| Synthetic Materials | |
| Acrylic / Fibreglass | A |
| PMMA (Plexiglass / Perspex) | B |
| Polycarbonate | B |
| Polyester | B |
| PVC & PVCu | A |
| Others | |
| Acoustics Sealing | A |
| Dry Lining | B |
| Ductwork | B |
| Expansion Joints | A |
| Frame Fixing | B |
| Internal Frame Sealing | B |
| Low Emission Zones | B |
| Mirror Fixing | B |
| Plumbing | B |
| Polystyrene | B |
| Skirting & Architraves | B |
| Stonework | B |
| Woodwork | B |

Kitchens

| Type of Material | Rate |
|--|------|
| Acoustic Sealing | A |
| Concrete / Cellular Concrete / Brickwork | B |
| Dry Lining | B |
| Ductwork | B |
| Fibreboard / Veneer | B |
| Glass | B |
| Granite / Marble / Natural Stone | B |
| Internal Frame Sealing | B |
| Plumbing | B |
| Professional Food Preparation Areas | A |
| Skirting & Architraves | B |
| Solid and Untreated Wood | B |
| Stainless Steel | B |
| Untreated and Anodised Aluminum | B |
| Woodwork | B |

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Please note...

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Marmox UK Ltd

Caxton House,
101-103 Hopewell Drive,
Chatham, Kent. ME5 7NP
United Kingdom

For information and advice:

Tel: 01634 835290
Email: sales@marmox.co.uk
Web: www.marmox.co.uk