

Technical Data Sheet

Date of compilation: 28/02/2022

MS-11 MS POLYMER

DESCRIPTION

An all-round durable, flexible adhesive and sealant based on MS Polymer technology providing excellent adhesion to non-porous surfaces and is paintable with most paints. Can be applied on damp surfaces. Tested and approved in accordance with EC Regulation No 1935/ 2004 for materials intended to come into contact with food. This product is odourless, neutral and free of isocyanates. Conforms to ISO 11.600 25 HM.



CHARACTERISTICS

- High initial grab
- Permanently flexible
- Odourless, no solvents
- Can apply underwater
- Non-shrinking
- Safe for use with delicate and sensitive materials
- High strength
- Over-paintable
- Can apply on wet surfaces
- Non-staining
- Mould-resistant

USES

Suitable for sealing joints around sanitary fixtures, weatherproofing joints around windows and doors, glazing systems, joints and assemblies in coach body work. Uses also including gluing panels, skirting boards, windows, thresholds, mirrors and insulation materials. Will seal and bond glass, porcelain, coated metal, epoxy and polyester panels, polystyrene, UPVC, stainless steel, anodised aluminium and finished wood. MS-11 can also be used as universal filler for cracks and uneven surfaces. And can also be used safely in the food-stuff-related sector. For example the grouting of wall and floor areas in companies which are preparing and processing foodstuffs. The solid colours have excellent anti pick qualities and therefore make this product suitable for use in correctional institutions and areas where vandalism of the sealant may occur.

LIMITATIONS

Among others not recommended for application on PE, PP, Teflon and bituminous surfaces. Not suitable for use with aquaria or expansion joints. Not paintable with alkyd resin paint. On porous surfaces such as concrete a primer is recommended. Yellowing can occur in the dark. It is the user's responsibility to determine suitability. Adhesion tests prior to application are recommended.

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TECHNICAL CHARACTERISTICS

CHARACTERISTIC	METHOD	VALUE (COLOURED)	VALUE (CLEAR)
Slump	ISO 7390	<2mm	<2mm
Density		1.53g/ml	1.6g/ml
Skin forming time	23°C and 55%RH	10min	10min
Max movement allowed	ISO 9040	25%	25%
Temperature resistance after curing		-40°C to +100°C	-40°C to +100°C
Shrinkage		Nil	Nil
Curing (24 hours)	23°C/55%RH	2-3mm	2mm
Hardness, Shore A	DIN 53505	60	45
Modulus, 100%	DIN 53504	1.35MPa	1.15MPa
Tensile strength	DIN 53504	2.20MPa	2.40MPa
Elongation at break	DIN 53504	300%	250%

HOW TO USE

All surfaces should be clean and dust free. Gun MS-11 firmly into joint to provide a solid fill. If required place masking tape along edges, removing within 10 minutes of application. For gluing applications, apply adhesive in vertical lines at a distance of 30cm. Support the application for 24 hours until fully cured.

STORAGE

Store in fresh dry place at a temperature between +5° C and +25° C. Shelf life is 18 months from manufacture date.

PRESENTATION

Colour: White, Black, Brown, Grey & Crystal Clear.
Cartridge: 290ml. Box: 12 pcs.

HEALTH & SAFETY

Contains Bis -(1.2.2.6.6 -pentamethyl- 4-piperidyl) sebacate. Product may produce an allergic reaction. Do not take internally. Keep out of reach of children. Safety data sheet available to professional user onrequest. Dispose of empty packaging correctly.

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NOTE

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail technical@arcbuildingproducts.ie. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.