

Technical Data Sheet

Date of compilation: 23/09/2021

MS-11 RAPID HIGH TACK

DESCRIPTION

Arc MS-11 Rapid High Tack is a Hybrid Polymer rapid setting adhesive and sealant with outstanding initial grab and long term adhesive strength.

Suitable for internal & external use including wet surfaces and even under water. Suitable for bonding most materials including stone, brick, plaster, concrete, glass, ceramics, aluminium, iron, steel, lead, zinc, PVC, most plastics, wood, natural stone & marble, polystyrene, polyurethane, laminates, cork and mirrors.

It outperforms and replaces construction adhesives, wood glues, PU adhesives, sealants and acrylic fillers.

Initial bond after 3 seconds, initial hold after 20 minutes and fully cured after 60 minutes.

CHARACTERISTICS

- Outstanding grab
- Permanently flexible
- Odourless, solvent free
- Mould resistant
- Rapid setting
- Ultimate strength
- Over-paintable
- Non-staining
- Non-shrinking
- Underwater application

APPLICATION

Specially formulated to work where a high bonding strength and fast crosslinking is required. Works both indoor and outdoor. MS-11 Rapid High Tack is High modulus, suitable for sealing and bonding with high adhesive strength / high initial tack and can be used on windshields, galvanized sheets, ferrous or non-ferrous metals, elements of caravans and trucks, joints between prefabricated elements, frame work, metalwork, drains, galvanized plates, solar panels, air-conditioning or refrigeration.

It has excellent adhesion to concrete, brick, wood, brick, natural or artificial stone, ceramics, glass, metals: aluminium, iron, zinc, galvanized, etc. and most thermoplastics (except polyethylene or Teflon).

If it's necessary to paint and / or varnish the sealant, do it when skin is formed, being in our case about 10 minutes after making the application. Can be used in the proximity of a painting booth. It's preferable to use elastic paints. Resistant to aging, weather, temperature and ozone. Good performance against chemical agents.



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TECHNICAL CHARACTERISTICS

UNCURED PRODUCT

CHARACTERISTIC	METHOD	VALUE
SPECIFIC WEIGHT		1.5 g/ml
CONSISTENCY		Thixotropic paste
COLOUR		White
SOLIDS CONTENT	2 hours at 120 °C	98%
APPLICATION TEMPERATURE		+5°C to +40°C
SKIN FORMATION TIME	20°C and 50%HR	8 min ± 3 min
DRYING TIME	20°C and 50%HR	60 min (cordon 2mm)

CURED PRODUCT

CHARACTERISTIC	METHOD	VALUE
Modulus at 100%	DIN 53504	2.30 N/mm ²
Tensile strength (at break)	DIN 53504	4.00 N/mm ²
Elongation (at break)	DIN 53504	250%
Hardness Shore A	DIN 53505	65 units
Thermal resistance		-40°C to +90°C

RESISTANCE TO CHEMICAL AGENTS

Good resistance to water, aliphatic solvents, diluted inorganic acids and alkalis, oils and grease.

Poor resistance to aromatic solvents, concentrated acids and chlorated hydrocarbons.

HOW TO USE

Surfaces on which we apply the product must be firm and completely clean. It can be applied on wet surfaces.

It can be over painted after approximately 10 minutes of application, from that moment is when the paint adheres better.

It can be over painted wet on wet with water based paints in painting and drying booths.

It can be used in the proximity of a painting booth.

It can be sanded, overpainted and/or varnished after cure.

Sealing: Apply a continuous bead using a manual or pneumatic application gun, taking care to avoid bubble formation. Then smooth the joint with a spatula soaked in soap water.

Joint dimension

The joint has to be designed according to the sealant movement capability.

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In general, the joint width should be between 5 and 25 mm. The ratio of width to depth will depend on the joint width. In general, for joints deeper than 10mm, the width/depth ratio should be approximately 2:1 respectively. For smaller joints the ratio should be approximately 1:1

Width (mm)	10	15	20	25
Depth (mm)	8	8	10	12
Performance (m)	3,75	2,5	1,5	1

Bonding: Apply a continuous bead of adhesive to one of the surfaces to be bonded depending on the dimensions of the substrates. Press both parts strongly together for a few seconds.

SEALANT PERFORMANCE

$$L = 290 / (W * D)$$

L=Length of sealant in meters | W=Joint width in millimeters | D=Joint depth in millimeters.

You can use our free online calculators at <https://arcbuildingproducts.ie/calculators/>

STORAGE

Store in fresh dry place at a temperature between +5° C and +35° C. Shelf life is 18 months from manufacture date.

PRESENTATION

Colour: White | Cartridge: 290ml | Packed: 12 units/box

HEALTH & SAFETY

Product Safety Data Sheet must be read and understood before use.

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.