

Product Data Sheet

MS Pro Adhesive & Sealant

Description

A single part, solvent-free adhesive & sealant based on the latest polymer technology. It has excellent UV resistance and primerless adhesion to most substrates. It cures to a tough, elastic adhesive sealant with applications across a range of industries. The cured sealant has good abrasion, oil and solvent resistance.

Uses

Construction uses include perimeter sealing of plastic, timber and metal frames along with the sealing of expansion and construction joints; it may be used on moist surfaces. The product is also suitable for many applications within the automotive, Roofing, marine and coachwork industries. Suitable for sealing and bonding connection joints in ducting, ventilation and air conditioning installations.

Features

- Based on MS Polymer
- High strength
- High performance
- Bonds to wide variety of surfaces
- No priming required to most surfaces
- Will bond to moist surfaces.
- Solvent free



Application Data	
Colour :	Translucent and White
Curing System :	Cures by vulcanization upon exposure to moisture in atmosphere
Coverage :	1 std size cartridge is sufficient to seal approximately 10m with a 6mm bead.
Skinning Time (at 23°C & 50%RH) :	Approx. 45mins
Shore A Hardness:	Approx. 50-55
Tensile Strength (100%):	0.9 N/mm ²
Movement Accommodation :	± 20%
Cure Rate (at 23°C & 50%RH) :	Approx 3mm per 24Hrs. As the joint depth increases, the cure rate will slow down.
Application Temperature :	+ 5°C to +35°C
Service Temperature :	- 40°C to +100°C
Specific Gravity :	Translucent: 1.03 - 1.07 White: 1.48 – 1.52
Packaging :	290ml



The sealant shall be Nicobond MS Pro Adhesive & Sealant as manufactured by N & C Building products Limited, 41- 51 Freshwater Road, Chadwell Heath, Romford, Essex, RM8 1SP, England , Tel: 020 8586 4600 and shall be applied strictly in accordance with the Manufacturer's current data sheets and instructions.

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Products for the Professional

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Application

Surfaces to which Sealant is to adhere must be clean and free from loose material, standing water or contaminants which otherwise may impair the bond.

Non-porous surfaces such as aluminium should be cleaned with a suitable product. It may be necessary to prime some porous surfaces depending on cohesiveness and porosity of the substrate.

For application where some movement will be exhibited i.e. construction joints, the minimum joint dimensions should be 6mm x 6mm with the maximum dimensions being 20mm wide by 12mm deep. Where deeper joints are found, depth can be reduced using a suitable backer rod.

Areas of perimeter pointing where a fillet is to be applied, the minimum measurement across must be 10mm with a minimum depth of 6mm.

If conditions are suitable for application ensure joints are properly prepared, and apply sealant firmly into the joint using an application gun. Ensure a good solid fill is achieved. Once applied, sealant can be tooled within 10 minutes to required finish. The cured sealant can be painted if required, but is not necessary. Painting sealant in a movement joint is not recommended as the movement of the sealant may be greater than the flexibility of the paint, leading to cracking or crazing of the paint film.

Limitations

Do not use to seal Aquariums.

The data and recommendations supplied are offered in good faith as typical values and do not constitute a product specification. As we have no control over site conditions, the diversity of materials and substrates being used, no liability can be derived from the contents of this data sheet or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the product prior to use.

Shelf Life

Minimum 9 months when stored in unopened cartridges

Storage

This product must be stored under cool, dry conditions between 5°C and 25°C

Health & Safety Advice

Nicobond Polyurethane (PU) Adhesive may cause skin irritation and be irritating to eyes and respiratory system. Also handle in a well ventilated area. Wear suitable protective clothing, chemical resistant gloves and eye/face protection. Do not breathe vapour. Keep away from children and animals.

The relevant Material Safety Data Sheet can be obtained from www.nichollsandclarke.com or directly from N & C Building Products Ltd at the address below.

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