

CLEAR ADHESIVE & SEALANT

Description

Clear Adhesive & Sealant; is a high quality, neutral, elastic, crystal clear adhesive based on premium AST polymer.

Properties & Features

- Crystal clear permanently elastic formulation,
- High bond strength nearly on all surfaces even if slightly humid,
- Very good mechanical properties,
- Do not contain solvent, silicone, isocyanate, halogens or acids,
- Good extrudability even at low temperatures,
- Over-paintable with water based paints,
- Primerless adhesion to numerous porous and non-porous substrates,
- No shrinkage,
- Does not crack or discolor

Fields of Application

- It has a good adhesive strength without primer on most common materials such as aluminum, zinc, galvanized steel, stainless steel, copper, natural stone, concrete, brick, etc.
- For crystal clear elastic bonding in construction and building applications.
- Invisible bonding and sealing of glass and other transparent materials in indoor applications.

Directions for Use

Cleaning and joint preparation: Substrates must be sound quality, clean, dry and free of dust, grease, rust and other contaminants which may affect the adhesion. Non-porous surfaces (such as aluminum, glass, etc.) must be free of any coatings and should be cleaned with a suitable solvent and thoroughly dried with a clean cloth. Porous substrates (such as concrete, brickwork, etc.) must be mechanically cleaned from loose particles or residues with a jet of compressed air, sandpaper or hard brush. Mask off joint edges with self-adhesive tape as protection from contamination.

Backing material: Use a polyethylene bond breaker tape or backer rod to adjust the joint depth to proper width/depth ratio and to avoid three side adhesion which restrict the movement capability of the sealant. Backer rod must be at least wider 25% than the joint width.

Sealant application: Recommended application and surface temperatures: +41°F and +104°F. Cut nozzle to obtain desired bead size. Apply the sealant as evenly as possible by using professional caulking gun.

Tooling and finishing: Tool the joint surface with a smoothing tool ensuring the sealant a full contact to the sides and backup material into the joint before skin formation. Remove the masking tapes immediately after smoothing over the surface of the sealant.

Cleaning: Uncured product may be easily removed with damp sponge. Cured product must be removed mechanically. Hands can be cleaned with warm water and soap.

Remarks & Restrictions

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Cannot be used on natural stone. Because the adhesion surface will discolor under influence of the sealant (looks wet) and also this is visible through the sealant due to its clear look.
- Do not use in applications where continuous water immersion is possible.
- Prolonged exposure to direct sunlight can cause discoloring.

Product Information

Packaging	9,8 fl/oz , 290ml
Shelf Life	9 months
Storage	At cool and dry ambient. In between +41°F to +77°F.

Technical Data

Uncured Sealant	Method / Conditions	Value
Basis		AST Polymer
Curing Mechanism	Moisture Curing	
Sagging	ISO 7390	0 inch
Density	ISO 1183-1	8,8 ± 0,3 lb/gal
Skin Formation Time	Internal (73°F and 50% R.H)	5-10 min
Drying Rate	Internal (73°F and 50% R.H)	-0,1 inch/day
Cured Sealant		
Shore A hardness	ISO 868	35 ± 5
Loss of Volume	ISO 10563	< -%3
Shear Stress		1471-1606 Pa.
Viscosity (Pa.s)	77°F	1440-1572 Pa.s
Viscosity (cps)	77°F	1440000- 1572000 Cps
Tensile strength	ISO 37 (4 mm thickness)	305 psi
Elongation at break	(45 days 73°F and 50% R.H)	≥ % 350
Service temperature	Ambient and surface	Between -4°F and +176°F
Application temperature	Ambient and surface	Between +41°F and +104°F

Safety

Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Store in a well-ventilated place. Keep cool. Check MSDS guidelines for disposal and further information concerning safety.

Disclaimer

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.