



CROC A-TACK CRYSTAL CLEAR

Universal Adhesive Sealant



TECHNICAL DATA SHEET

DESCRIPTION

Croc A-Tack Crystal Clear is a high performance, high strength, crystal clear, neutral, elastic, one component adhesive based on MS Polymer. It cures to form a permanent, flexible seal. It has a tough bond and can be used under water.

APPLICATIONS

Croc A-Tack Crystal Clear is suitable for use:

- All common bonding and sealing applications, both in and outdoor.
- Transparent and elastic bonding in construction and building applications.
- Invisible bonding of glass and other transparent materials in indoor applications.
- Joins in bathrooms and kitchens.

Substrates:

- All usual building substrates including:
 - Glass
 - Treated wood
 - Stone
 - PVC
 - Plastics
 - Metals
 - Concrete

ADVANTAGES

- Crystal Clear Adhesive and Sealant
- Excellent adhesion even in wet conditions
- No shrinkage and bubble free
- Neutral curing
- Excellent mechanical resistance
- Good extrudability at low temperatures
- Free of solvents, isocyanate, and silicones
- Can be painted with water based paints
- Remains permanently elastic after curing
- Food safe
- Sanitary

PRODUCT CHARACTERISTICS

Colour	Crystal Clear
Appearance	Stable Paste
Composition	Hybrid Polymer
Curing Method	Moisture curing
Service Temperature	-40°C to +80°C
Product Codes 300mL Cartridge	53CROCC

TYPICAL PROPERTIES

Movement Capability	± 20%
Elongation @ Break	250% (DIN 53504)
Skinning Time	Approx. 15 mins @ 20°C, 65% Relative Humidity
Tack Free Time	60 minutes
Rate of Cure	2mm per 24 hours
Shore A. Hardness	37 (24 hours)
Specific Gravity	1.04g/mL
Tensile Strength	0.8 N/mm ² (DIN 53504)
Elastic Recovery	>75% (ISO 7389)
Application Temperature	+5°C to +35°C
VOC Rating	Low VOC

INSTRUCTIONS FOR USE

Read and understand the Safety Data Sheet before using this product. SDS can be acquired by visiting www.macsim.com.au

Surface Preparation

Surfaces to be bonded must be clean and dry, as well as free of wax, grease, dust and any other foreign materials so that the adhesive bond is not compromised. All Rounder will adhere to most non-porous surfaces without the use of a primer. Porous surfaces in water applications should be primed first.

Priming

It is advisable to conduct preliminary adhesion tests on substrates where the application is critical or if the adhesion performance is unknown.

Applications Instructions

Sealing

1. Cut nozzle at a 45° angle and extrude a bead of the All Rounder onto the bottom of the joint.
2. Smooth the bead and tool immediately using a silicone spatula.

Note: Ensure there is no water penetration between surface and sealant.

Bonding

1. Cut nozzle at a 45° angle and extrude a bead of the All Rounder onto one of the two substrates to be bonded.
2. Push the substrates firmly together before All Rounder skins over.

Note: If the substrates need to be adjusted slightly do so immediately.

Joint Design

Bonding

Min width: 1mm
Max width: 3mm

Joints

Min width: 5mm
Max width: 10mm

Limitations

Not suitable for use on:

- PE, PP, PC, PMMA, PTFE, soft plastics, neoprene & bituminous surfaces
- Natural stone or mirror surfaces
- Structuring glazing or structural applications
- Continuous water immersion
- Can become less UV stable if exposed to UV for long periods of time
- Can be used in food contact applications such as farm produce and grain storage / cartage, however the sealant must be fully cured before contact occurs. Depending on the volume of material and/ depth of the sealant, this can take up to 7 days (20°C & 50% RH).

Shelf Life

12 months shelf life when stored in a dry environment and between +5°C and +27°C.

Cleaning

Remove excess uncured adhesive with a sealant spatula immediately. Cured adhesive can be removed mechanically.

Disposal

Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not pierce or burn cartridge, even after use.

HEALTH & SAFETY

Safety

All Rounder is non-hazardous.

If poisoning occurs, contact Poisons Information Centre:

Australia: 13 11 26; New Zealand: 0800 764 766.

Use in well ventilated areas. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye protection.

Keep out of reach of children. In use, please ensure that Occupational Health and Safety requirements are observed.

First Aid

Skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

DISCLAIMER

The information in this Technical Data Sheet (TDS) is based on our present knowledge to the date of the publication. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is only a guide for safe handling, use, storage, transporting and disposal of the product.