



Universal Adhesive Sealant

TECHNICAL DATA SHEET

DESCRIPTION

CROC A-TACK is a one-part high quality professional adhesive with an extremely high initial tack. It is a moisture curing Silyl Modified Polymer (SMP) formulation that forms a durable elastic rubber that will stick just about anything to anything. CROC A-TACK will cure underwater and is AS 4020 Potable Water approved so it is perfect for roofing, flashings, water tanks and other plumbing applications. With its high initial green strength, CROC A-TACK is great for bonding building materials and components vertically instantly.

APPLICATIONS

Substrates

Croc A-Tack is a powerful and versatile adhesive for all jobs involving elastic bonding of a wide range of materials including:

- Stone
- Concrete
- Aluminium & Most Metals
- Wood
- Paint Systems
- PU, PVC Plastics
- Mirror & Glass
- Plasterboard
- Flashing / Capping
- Fibre Cement
- Enamel / Ceramics

Industries

For use in elastic, structural bonding applications in the following industries, where a powerful elastic adhesive with high green strength and quick strength build-up is required:

- Building
- Plumbing
- Marine
- Industrial
- Commercial
- Manufacturing
- Car Assembly/ Transportation (coach, caravan, refrigerated vehicles, containers)
- Landscaping
- Manufacturing
- DIY



PRODUCT CHARACTERISTICS

Colour	White Black Grey
Appearance	Thixotropic paste
Product Codes	53CROCW 53CROCB 53CROCG
290mL Cartridge	

TYPICAL PROPERTIES

Base	SiMP Silyl Terminated Polymer
Curing Mechanism	Moisture-curing
Curing through volume (mm)	ca. 3,0 (24h-23°C and 50% RH)
Shore A Hardness (N/mm²)	ca. 60 (DIN 53505)
Density (g/cm³)	ca. 1,45 (23°C and 50% RH)
Elastic modulus at 100% (N/mm²)	ca. 2,2 (ISO 37 DIN 53504)
Tensile Strength (N/mm²)	ca. 3,2 (ISO 37 DIN 53504)
Elongation at break (%)	ca. 280
Tear Strength (N/mm)	ca. 10 (ISO 34-1 method B)
Application temperature (°C)	from +5°C to +40°C
Temperature Resistance (°C)	-40°C/+100°C, with brief points at +120°C

ADVANTAGES

- Primer-less adhesion on many substrates
- Neutral behaviour, does not attack support surfaces
- High thixotrophy and green strength: instant grab and load bearing capacity
- Non-sag consistency, high viscosity
- High mechanical and dynamic stress resistance
- Shock and impact resistance
- Vibration and sound damping properties
- Increase torsional stiffness of final assembly
- No change in volume - No shrinkage
- Environmentally friendly - Free of Isocyanate and solvents
- No hazard symbol required
- Odourless
- Permanently flexible in temperatures ranging from -40°C to 100°C.
- Short time resistance up to 120°C
- Over-paintable wet on wet with many water or solvent based paints (preliminary tests recommended)
- Resistant to water, dilute alkalis, cleansing agents, lime water and mould.
- CROC A-TACK is AS 4020 Potable Water Approved.
- CROC A-TACK will Cure Underwater and in Damp / Wet environments.

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

For guaranteed results with difficult or exotic materials, it is always advisable to perform a Pre-Adhesion test to substrates to check adhesion. Cleaners and/or primers may be required to achieve optimal adhesion. Surfaces must be clean, dry, free of oil, grease or rust and of sound quality. Remove all loose particles or residues with a jet of compressed air, sandpaper or hard brush. Glass, metal and other non-porous surfaces must be free of any coatings and wiped clean with solvent. Screw on the plastic nozzle and cut it at an angle according to the desired bead thickness and profile. Because of the high viscosity of the material, extrude the adhesive/sealant carefully preventing air entrapment between the substrate and the adhesive. If there is standing water under substrate, ensure that the water is displaced from the bond area so that CROC A-TACK is in direct contact with the surface.

The optimum operating temperature for both substrate and sealant is between 5°C and 30°C.

For adhesive purposes

Bonding and fixing: apply adhesive sealant on one side in lines (every 10-30cm). Always apply adhesive sealant in corners and along edges. Join parts in the right position within 5 minutes and press firmly or tap lightly with a rubber mallet. If necessary, secure or support heavy materials for 24 hours.

Finishing indications and limitations

Croc A-Tack can be painted. The paint must be tested for compatibility by carry out preliminary trials. Attention must be observed with the use of alcohol or alkyd-resin since they may interfere with the curing process of the sealant and reduce the drying time of the paint itself. It should be understood that the hardness and film thickness of the paint may impair the elasticity of the sealant and lead to cracking of the paint film. Since it is moisture-cured, permit sufficient exposure to air.

Apply CROC A-TACK in beads and not large globs / dots as this will retard the opportunity for it to cure thoroughly.

When working with plywood, timber, chipboard and other wood products that are very wet / damp, fine particles of dust and fibres will lift and create an emulsion on the surface. Hence, this can prevent the ability for all adhesives to bond to the substrate.

Clean Up

Clean tools with acetone or alcohol immediately after use. Cured material can only be removed mechanically.

Shelf Life

12 months shelf life in its original packing (unopened container) between +5°C to +25°C. Keep in a cool, dry place. Storage temperature should not exceed +25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

HEALTH & SAFETY

Safety

Keep out of reach of children. If skin contact occurs, remove immediately and wash with soap and water.

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.