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Technical Data Sheet

AS-1000
Gaps Sealer

Physical Properties

Base:
Water-based acrylic

Appearance:
Soft paste

Standard Colour:
(W10) White

Tooling Time / Working Time
<15 minutes
(at 25°C & 50% R.H.)

Skin-Form Time
15 minutes

Application temperature:
5 °C to 50 °C

Service temperature:
-10 °C to 75 °C

Storage:
Store in a dry and cool place with temperature below 30 °C.

Shelf life:
24 months

Packaging:

Content	Quantity/ carton
450 g cartridge	24

Description

ALSEAL Gaps Sealer is a versatile, economical, acrylic sealant for general purpose caulking and sealing applications. It is paintable and has good adhesion to most porous surfaces. It is formulated with good body thus able to withstand pressure during the installation. It is suitable for sealing gaps and joints where slight movements or vibration, if occurred, could causes conventional, non-elastic fillers and putties to crack and fall off. It can be applied smoothly and easily and can be cleaned up with water.

Features

- ±12.5 % movement capability
- Low VOC compliance
- Paintable
- Economical
- Versatile & permanently flexible
- Easy clean up with water

Applications

- General sealing applications (door and window joints, cabinet and wardrobe installation, skirting of wood flooring, etc.).
- Suitable for various substrates (metal, PVC, wood, concrete, gypsum boards, reinforced cement boards, marble, etc.).

Technical Data

Curing system	: Water evaporation
Specific gravity	: 1.61 g/mL
Ultimate tensile strength (ASTM D412)	: 1.2 N/mm²
Solid content	: 82 %
Elongation at break (ASTM D412)	: 190 %
Movement capability (ASTM C719)	: ±12.5 %
Shore A hardness (ASTM C661)	: 20
VOC content (USEPA Method 24)	: 36.97 g/L

Approvals/ Specifications

AS-1000 meets the requirements of the following specifications:

- ASTM C920, Type S, Grade NS, Class 12.5, Use NT, M
- Low VOC - USEPA Method 24 and SCAQMD Method 304-91 under SCAQMD Rule 1168
- Good Environmental Choice Australia (GECA) certified

Usage Instructions

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
3. For a neat finish, apply masking tape and remove it before sealant skins over.
4. Cut nozzle at 45° angle to desired bead-width and apply to substrate with cartridge gun.
5. Tool the sealant within 15 minutes of extrusion before it skins.
6. Allow to dry for one hour before applying water-based paint and 24 hours for oil-based paint.
7. Uncured sealant can be cleaned up with damp cloth.

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Clean Up

- Wet sealants can be cleaned up with water.
- Cured sealants can only be removed mechanically.

Joint Design

- The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.
- Minimum bead size should not be less than 3 mm to accommodate movement.
- Sealant design joint width-to-depth ratio should be 2:1.

Limitation

Not recommended for following applications:

- Below waterline or permanent water immersion.
- Traffic areas subject to abrasion.
- Joint movement of more than 12.5%.
- Outdoors if it is expected to rain within two hours of sealant application.

Caution

Contains a mixture of CMIT/MIT. May produce an allergic reaction. Keep out of reach of children. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

Disclaimer

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.