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Technical Data Sheet
AS-1100
ColorSil Sealant

Physical Properties

Base:
Water-based acrylic

Appearance:
Soft paste

Colours:
White, grey, black, brown, light brown, dark brown, teak, beige, terracotta, merbau, cherry, coffee, barley, greenish grey

Tack-free Time:
<10 minutes
(at 25 °C & 50% R.H)

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
450g cartridge	24

Description

ALSEAL ColorSil is a premium quality acrylic sealant formulated for sealing gaps and joints where conventional fillers would crack and fall off with slight movements and vibrations. It has a vast colours selection, making it suitable to match with the colour of the building materials to be sealed.

Features

- Low VOC compliant
- Various colours selection
- Dries true to wet colour
- Permanently flexible

Applications

With the vast colors selection, one can match the color of the bonding/ sealing to the color of the wood/ timber, concrete, marble, glass, plastic etc. It is also use for joint around the door and windows.

Technical Data

Curing system	: Water evaporation
Density	: 1.61 g/mL
Solid content	: 81 %
Maximum tensile strength (ASTM D412)	: 1.0 N/mm²
Elongation (ASTM D412)	: 190 %
Shore A hardness (ASTM C661)	: 20
VOC content (USEPA Method 24)	: 36.97 g/L

Approvals/ Specifications

AS- 1100 meets the requirements of the following specifications:

- Low VOC - USEPA Method 24 and SCAQMD Method 304-91 under SCAQMD Rule 1168

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AS-1100
ColorSil Sealant

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 5 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.

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.
- Generally calculation of the width sealant bead should be computed on the basis of a maximum ±25 % movement capability
- Minimum bead size should not be less than 6 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 10%.
- Outdoors if it is expected to rain within two hours of sealant application.

Caution

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

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