

Technical Data Sheet

AS-206

Bathroom & Sanitary Sealant

Physical Properties

Base:

Silicone polymer

Appearance:

Non-sagging paste
(Before curing)

Elastic rubber
(After cured)

Standard Colours:

(T10) Translucent
(W10) White

Special Colours:

(Made-to-Order)
 (A20) Almond Ivory
 (A30) Alabaster
 (B11) Black Simbiet
 (B20) Brown
 (B30) Bronze
 (B40) Beige
 (B41) Beige
 (C20) Charcoal
 (G10) Grey
 (G11) Light Grey
 (G13) Mid Grey
 (G14) Tile Grey
 (G15) Misty Grey
 (G16) Beige Grey
 (G17) Mid Grey
 (P10) Pewter
 (S20) Stone
 (S21) Blue Stone
 (T20) Teak
 (T30) Taupe
 (T40) Titania
 (T50) Travertine
 (W11) Off White
 (W12) Off White

Tack-free time:

10 – 30 minutes
(at 25 °C & 50% R.H)



Description

ALSEAL Bathroom & Sanitary Sealant is a one component, mildew-resistant, 100% neutral-cure silicone sealant formulated for applications in areas with high humidity and temperature. The fungal resistance property of this sealant has been tested against ASTM G21-02 and found to have a strong fungistatic effect. It will cure to form a durable, flexible, waterproof seal on most common wet area building materials. It is tested to have a low VOC content, in compliance to the SCAQMD Rule 1168 (Adhesive and Sealant Applications).

Features

- ♦ Neutral curing system
- ♦ Antifungal
- ♦ Mildew resistant
- ♦ Low VOC compliant
- ♦ ±25% movement capability
- ♦ Permanently flexible
- ♦ Indoor and outdoor use
- ♦ Excellent resistance to UV radiation

Applications

- ♦ Good adhesion on most ceramics, glass, metal and plastics. Widely used for grouting ceramic tiles, bedding tile accessories and sealing shower heads, tubs, rimless, sinks, kitchen and bathroom fixtures.
- ♦ Suitable for both indoor and outdoor applications.

Technical Data

Curing system	: Moisture curing, neutral
Specific gravity	: 0.98 - 1.02 g/mL
Slump (ASTM D2202)	: <1 mm
Ultimate tensile strength (ASTM D412)	: 1.3 N/mm ²
Elongation at break (ASTM D412)	: 390 %
Shore A hardness (ASTM C661)	: 23
Anti-fungal testing (ASTM G21)	: 0 rating (No growth)
VOC content (USEPA Method 24)	: 57.38 g/L

Approvals/ Specifications

AS-206 meets the requirements of the following specifications:

- ♦ ASTM G21 (Antifungal)
- ♦ ASTM C920, Type S, Grade NS, Class 25, NT, A and G
- ♦ Low VOC - USEPA Method 24 under SCAQMD Rule 1168

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 10 minutes of extrusion before the tack-free time.
6. Uncured sealant can be cleaned up with mineral spirits.

Clean Up

- ♦ Wet sealants can be cleaned up with acetone or mineral spirits.
- ♦ Cured sealants can only be removed mechanically.



AS-206 Bathroom & Sanitary Sealant

Application temperature:
-20 °C to 50 °C

Service temperature:
Up to 150 °C

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

Shelf life:
12 months

Packaging:

Content	Quantity/ carton
300 mL cartridge	24

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 joint depth should not be less than 6 mm to accommodate movement.
- ♦ Sealant design joint width-to-depth ratio should be 2:1.

Coverage

Width	Depth	Coverage (300 ml) *
6 mm	6 mm	7.58 meter
10 mm	10 mm	2.73 meter
20 mm	10 mm	1.36 meter
25 mm	12 mm	0.91 meter

* The coverage figures shown above are approximate linear meter run based on 10% wastage assumption. Actual coverage may vary.

♦ Calculation formula:
$$X / [(Y \times Z) \times 1.1] = \text{Coverage}$$

X = volume of cartridge (or sausage) in ml,
Y = joint width in cm, Z = joint depth in cm,
1.1 = 10% wastage assumption,
Coverage = linear meter run in cm per cartridge

Limitation

Not recommended for following applications:

- ♦ Below waterline or permanent water immersion.
- ♦ Traffic areas subject to abrasion.
- ♦ Polycarbonate and polyacrylate, if under tension.
- ♦ Applications that require the sealant to be painted.
- ♦ Neoprene rubber

Caution

Product releases methylethylketoxime. May cause an allergic skin reaction. Avoid breathing dust / fume / gas / mist / vapours / spray. Wear protective gloves / protective clothing / eye protection / face protection / hearing protection. Specific treatment. If skin irritation or rash occurs: Get medical advice / attention. Take off contaminated clothing and wash it before reuse. 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.