



Altro Sanitary Sealant UC

Description

Altro Sanitary Sealant UC is low-odor, low-VOC, multipurpose, one component sealant/adhesive that (neutral) cures to a durable elastic rubber silicone.

Altro Sanitary Sealant UC has a high resistance to aging, resists low and high permanent temperatures of -60°F to 500°F (-51°C to 260°C) and complies with FDA 21CFR177.2600.

This FDA approved sealant has been tested and complies with the relevant paragraphs of code CF21 of the FDA. It is approved for indirect use throughout the food industry.

Application

Altro Sanitary Sealant UC has been especially formulated for all types of sanitary applications and rooms with high humidity such as bathrooms, kitchens, as well as cold storage cells.

Altro Sanitary Sealant UC has an adhesive strength on most dry and clean surfaces.

Installation temperature

Apply sealant within the same temperature range recommended for walls installation: 68°F (20°C) to 80°F (27°C).

Surfaces

All surfaces should be dry, clean and free from dust and grease. Altro recommends all surfaces are primed prior to application of sealant.

Method of use

Apply with a conventional manual, electric or pneumatic applicator (do not exceed 45psi for a cartridge). For best results adjacent surfaces should be masked off using painter's tape or similar to ensure clean, straight lines and to protect surrounding finishes. Sealant is to be applied evenly ensuring full contact with both sides of the substrate. Tool as needed to create a smooth, consistent bead before removing the masking for a clean finish.

Dry time

Altro Sanitary Sealant UC is dry after 24 hours (1/8" open bead). When used in food manufacturing plants and clean rooms (indirect contact) the product should be left to cure for 28 days at 23°C (73°F) 50% RH.

Storage / Shelf Life

Store the sealant in closed original packaging. Store in dry premises at a temperature between 8°C (46°F) and 25°C (77°F). High humidity and storage below or above these temperatures will shorten shelf life. The expiration date is indicated on each container. Storage beyond the date specified on the container does not necessarily mean that the product is no longer usable. In this case, however, the properties required for the intended use must be checked for quality insurance reasons. Shelf life of 24 months.

Colors

Altro Whiterock sanitary sealant UC is available in clear, white and some colors that have been formulated to coordinate with Altro wall cladding.

Repairing

Completely remove loose areas and reapply.

Limitations

Do not expose to thermal, mechanical or chemical influences before complete vulcanization. Good ventilation is important during application and vulcanization of the product.

Safety

Please refer to the Safety Data Sheet (SDS)

Features

- Meets ASTM C920, S, NS, Class 50, NT, M, GA, O, AAMA 802, AAMA 805, CDPH 4580
- Fungi resistance ASTM G21, achieves zero growth after 28 days
- Mold resistance ASTM D3273, excellent score of 10
- CFIA accepted
- FDA Approved
- Non-corrosive
- Low odor, Low VOC
- Available in 304ml (10.4oz) cartridge

Additional properties on 2nd page.

Uncured @ 23°C (73°F) 50% R.H

Test Description	Standard	U/M	Result
Appearance	Pasty		
Color	White, Clear, Other		
Density	ASTM D1475	g/ml	1.03 (translucent) 1.32 (colors)
VOC	SCAQMD Rule 1168	g/L (%)	19.5 (1.9) (translucent) 47.5 (3.6) (colors)
Translucent Color Extrusion Rate (20psi/diam. 5mm)	ASTM C1183	g/minute	75 – 300
All Other Colors Extrusion Rate (50psi/diam. 5mm)	ASTM C1183	Minute	75 – 200
Tack free time	ASTM C679	Minute	25 – 30
Rheological properties	ASTM C639	Inch	No sag
Curing time	7 - 14 days		
Full adhesion	14 - 21 days		

Cured 21 days @ 23°C (73°F) 50% R.H

Test Description	Standard	U/M	Result
Hardness (shore A)	ASTM D2240	Point	28 (translucent) 30 (colors)
Elongation at break	ASTM D412	%	1125 (translucent) 1009 (colors)
Maximum Tensile Strength	ASTM D412	PSI	195 (translucent) 197 (colors)
Tensile Strength at 100% elongation	ASTM D412	PSI	27 (translucent) 57 (colors)
Tear Strength (die C)	ASTM D624	PSI	30
Stain or color change	ASTM C510	PSI	None
Tensile adhesion strength at 25% elongation	ASTM C1135	PSI	44
Tensile adhesion strength at 50% elongation	ASTM C1135	PSI	60
Maximum elongation	ASTM C1135	%	263
Maximum tensile adhesion strength	ASTM C1135	PSI	95
Peel strength	ASTM C794	PSI	24
Movement capability	ASTM C719	±%	50 (excluding translucent)
Staining on porous surfaces	ASTM C1248		None on granite, marble, lime- stone, brick, and cement
Lap shear	ASTM D1002	PSI	90 (translucent) 111 (colors)