SMARTCARE

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Smartcare Acrylmax

Single component gun grade sealant

Description

SmartCare Acrylmax is a single component gun grade sealant formulated by using acrylic emulsions and special. Hence, the product is easy to apply and efficiently seals joints between construction parts subjected to moderate stress. It is a ready to use and seals intern al and external joints in porous substrate such as concrete, plastics, asbestos, cement, brick work and wood. SmartCare Acrylmax can be used for sealing all low movement joints

Uses

- Around Ventilation grills
- Joints between ceilings and wall
- Around doors and window frames
- Joints in block work where only low movement is expected
- Sealing of duct holes etc.
- Door frames
- Ventilation grills
- Duct holes
- Ceiling walls

Characteristics

- No surface pre-treatment or primer required in most of the surfaces.
- Easy to use one component type.
- Cures at room temperature at ambient humidity conditions.
- Water based low VOC sealant.

Appearance

White

Packing

450 gms

Properties

Cure system	Water based Acrylic dispersion and -llers
Consistency	Smooth and pasty
Skin formation	5- 10 Minutes
Handling dry	24 hours
Full Curing	7 days
Specific Gravity	1.63
Service Temp	-10to 90C
Slump resistance	No slump
Minimum joint width	6 mm
Shrinkage	15 % maximum
Adhesion	Good to common building materials
Paint ability	Can be over painted with all normal decorative type paints.

Application Method

Substrate quality and preparation

The product can be used with normal caulking guns. Surface must be clean, dry and should be free from oil, grease, dust and frost.

Cure time/ conditions

- The time required for curing is affected by atmospheric conditions like relative humidity and temperature, degree of confinement
- and thickness of the sealant. The product cures at a rate of 3mm per day @ 25°C and a relative humidity of 50%. Less
- moisture content reduces the rate of cure. Curing time increases with thickness. The application in confined spaces generally
- lengthens the curing process. It is possible that in total confinement the curing will not be complete and this will result in the
- softening of the sealant in elevated temperatures. Metal to metal bonds should not overlap more than one inch. Every application
- involving confinement while curing must be thoroughly tested before commercialization. Vinegar like odour given off
- during curing is due to the acetic acid liberated as a part of curing reaction and it disappears as the curing progress. Once the
- curing is complete, further odour will not be detectable

Application

- After suitable joint preparation and masking, attach the nozzle to cartridge, cut to required dimension and the sealant is gunned into gap continuously.
- The non-sag paste consistency of the material makes it very friendly to use, easy to tool with spatula.
- The product cures at room temperature when it is exposed to moisture and the curing happens from surface to inside the sealant.
- The skin formation happens within a maximum period of 10 minutes.

- Any necessary tooling has to be completed within 5 minutes of application. If in case masking tape is used to mark off the area, it has to be removed before skin is formed. Install backing material or joint filler, setting blocks, spacer shims and tapes. Mask areas adjacent to joints to ensure neat sealant lines.
- Primer is generally not required on non-porous surfaces, but may be necessary for optimal sealing of certain porous surfaces. A test placement is always recommended. Apply ACRYLMAX Acrylic Sealant in a continuous operation using positive pressure. (The sealant can be applied using many types of air-operated guns and most types of bulk dispensing equipment.)
- Before a skin forms (typically within 5 minutes), tool the sealant with light pressure to spread the sealant against the backing
- material and joint surfaces. Remove masking tape as soon as the bead is tooled.

Value Base

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control and different test methods.

Health and safety

Direct contact with uncured sealant irritates eyes and may irritate skin. over exposure to vapor may irritate nose and throat.

Precautions

Do not apply during rains or extreme temperatures.

Note - The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

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asianpaints BERGER WeAssure Helpline

For enquiries, feedback and complaints please contact or write to us at

Oman	:	800-01790	weassure.oman@asianpaints.com
U.A.E	:	800-27237437	weassure.uae@asianpaints.com
Bahrain	:	800-08098	weassure.bahrain@asianpaints.com
Qatar	:	+974-44693489	weassure.qatar@asianpaints.com