



BP Jointseal-ACR (Single Component, Pouring & Gun Grade, Acrylic Sealant for Joint gaps filling)

BP Jointseal-ACR is a single component fire retardant acrylic based sealant. Ideally designed to be used for sealing low movement joints and restricts the passage of fire, smoke, and toxic gases. Chlorine free and Low VOC product meets green building requirements and highly recommended to seal gaps where a weather shield seal is required.

Uses: It is ready to use and seals internal and external joints in various substrates such as concrete, plastics, asbestos, cement, glass, tiles, brick work and wood. Since the sealant is water-based, it is user friendly and free from chlorine. Main areas of applications are:

- Around doors, window frames, and ventilation grills
- Joints between ceilings and wall, and Sealing of duct holes, etc.
- Joints in block work where only low movement is expected
- Fire retardant applications, and self extinguishing to suit areas where there is a chance of fire

Directions for use:

Surface Preparation: The joint edges must be clean, dry and free from oil, loose particles, cement laitance and other contaminants which may reduce the adhesion. A thorough wire brushing, grinding, sand blasting or solvent cleaning may be required to expose a clean and sound substrate. When applied on glazed surfaces like ceramic or terrazzo tiles or porcelain surfaces, the glaze should be removed by abrading with sandpaper or wire brush.

Mixing: Mixing or stirring etc is not required

Surface Priming: On new & old concrete substrates, the sealant can be applied without primer. When applying on aluminium and metal surfaces, ensure the surface is cleaned of all lacquer or protective coatings. Galvanized, copper and stainless steel surfaces shall be primed with GMC EP Primer.

Back-up Material: A bond breaking backing rod shall be inserted evenly & tightly into all movement joints to avoid a three sided adhesion. A bond breaking tape may be applied to joints where the depth does not allow the application of the backing rod.

Application: Load **Jointseal-ACR** from self contained sausage or cartridge or from bulk container onto a barrel caulking gun. Start extruding the sealant into the joint firmly by maintaining an even pressure on the trigger of the gun. On vertical joints, sealant extrusion shall start from the bottom of the joint and continued to the top. Once the sealant has been installed a suitable rounded tool can be used to achieve a smooth hour glass profile. **DO NOT USE SOAPY WATER SOLUTION.** Any masking tape applied should be removed immediately after the sealant is installed.

Jointseal-ACR can also be applied using many types of air-operated guns and most types of bulk dispensing equipments.

Skin over Time:

Jointseal-ACR has a skinning time of approximately 10-20 minutes (ASTM C679) once exposed to atmosphere.

Curing:

It cures on absorption of atmospheric moisture to form a firm and flexible rubber like seal. The time required for curing is depending on atmospheric conditions like relative humidity, temperature, degree of confinement and thickness of the sealant. Curing time increases with thickness. However, at 25⁰C curing rate is 1 day for 10mm x 10mm thickness.

Precautions:

Jointseal-ACR is not recommended for:

- Movement joints having MAF >20%
- Damp and contaminated surfaces
- Asphalt pavements
- Check paint compatibility with sealant
- Joints width > 25mm

Typical Properties:

Appearance	: Smooth paste (Custom colours)
Density (g/cc)	: 1.6 ± 0.05 (ASTM D 1475)
Coverage/ 500ml	: 2m @ 20mm x 10mm
Elongation	: >150 % (ASTM D 412)
Service temperature	: -20 to 80 ⁰ c
Application temp.	: +5 to 50 ⁰ c

Pack Size: 600ml sausage



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Cleaning:

Remove all excess sealant with a scraper. Any spillage can be cleaned using solvents. Clean all tools and equipments using similar solvent immediately after the tooling. Hardened materials can be removed manually or mechanically.

Storage:

Jointseal-ACR should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head, protect from freezing and keep out of direct sunlight.

Technical support:

GMC offers comprehensive technical support service & specification assistance in locations to our channel partners, end users, and contractors.

Quality & Care:

All the products manufactured and originated from Gulf Minerals and Chemicals, UAE facility are independently tested and certified under a GMC Management System to conform to the requirements of the quality, environmental, health & safety Standards.

Shelf Life:

12 months in a properly closed container. As usual with such adhesives, protect from extremes of heat and cold. Do not store in open and always rotate stock, using oldest material first.

Handling:

Jointseal-ACR is water based, non- flammable, and non-toxic in nature. Avoid contact with eyes and skin as it may cause irritation due to its alkaline nature.

Health & Safety Precautions:

As with all construction chemical products, caution should be exercised. Adequate ventilation should be provided at the place of work. **Jointseal-ACR** is a non toxic but it is mildly alkaline. During use, avoid contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water.

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