

# MixEXPANSEAL AC

Construction / Expansion joint treatment system

**MixEXPANSEAL AC** System is a highly durable elastomeric hybrid acrylic based construction / expansion joints sealing treatment system which dries to form a very stable flexible seal. It is suitable for sealing construction and expansion medium movement joints and static joints in both interior and exterior use. It is a non-staining sealant that resists cracking and gives a smooth finish that requires no sanding. The systems ideal for existing joints repair works and for sealing joints in new construction

## System specification / product management

Cut and widen joint as per the design in old or existing screed or concrete and in new construction as per cast-in-situ condition by levelling the edges in neat finish and perfect angle with mechanical way (ideal joint size is 25 to 50 mm width) insert suitable MixCELL R Backer rod which should be 5-10% greater than the width of joint and clean the joint with air blower to remove complete dust and keep the joint in complete condition and make sure that moisture content is not greater than 5%. Apply a coat of penetrative primer with MixPRIME SB300 and allow for a touch dry time of 30 minutes. Fill the joint with MixFLEX® AC – Hybrid single component sealant by using a suitable gun or notch trowel to fill (a minimum depth of 40 mm) complete depth by applying pressure and in level and finish and allow for curing time of 24 to 72 hrs as per the climatic condition and size of the joint.

Apply a coat of penetrative sealer with MixPRIME® AC100 as per specified mix design at 2:1:3 (2 part MixPRIME® AC100: water: OP Cement) to a minimum of 200mm towards both sides of joint at 1L slurry/Sq. m. Place saturated MixFELT P50 fleece over the sealer applied area in level and without any bulging and minimum overlapping of 100mm and allow for a curing period of 6 hr. Apply a levelling coat with same MixPRIME® AC100 slurry to obtain a neat finish and covered with water proofing system MixGUARD® HR5 (Refer TDS or MoA prior to application) as per manufactures direction. The system is ideal in exposed condition and where screeding is recommended or in old joints it is advised to construct a curb wall (Reinforced) in both sides (200mm width and height as per site requirement) to elevate the joints

Contact FAB Chemical's technical service dept to get detailing about system as per site condition for old and existing joints in repair works and new construction as well

## Appropriation

*The system is highly recommended to use in*

- Construction / Expansion joints with low to medium level movement
- Paver block / pathway joints
- Column, beam joints
- Tunnel joints / Stadiums

## Characteristics

- Ideal for old joints repairing and new construction
- Non flammable & economical
- Easily tooled to give good smooth finish
- Suitable for both interior and exterior use
- Bonds to wide range of building materials
- Durable and flexible seal
- Paintable

## Technical Data & Properties

Standards conforms: ASTM C 834

Appearance: Smooth, viscous paste



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Colour	: White and grey
Specific gravity	: > 1.6 gm/cc
Shore a hardness (full cured material)	: 50
Solid content	: 90% (Sealant)
Sag	: Non sag (tested in 30mm channel)
Tack free time	: 60 minutes
Full cure	: 48 hours (depends up on temperature and humidity)
Flash point	: Not applicable
Durability	: Excellent
Temperature resistance	: 5°C to +50°C
Chemical resistance	: Good
UVR	: Good
Flammability	: Non-flammable

## **Dosage rates – MixFLEX® AC Sealant**

*Approximate grams per linear meter joint*

<u>Width/Depth</u>	<u>6mm</u>	<u>10mm</u>	<u>12mm</u>	<u>15mm</u>	<u>20mm</u>
6mm	57.60	96.00	115.20	144.00	192.00
8mm	76.80	128.00	153.60	192.00	256.00
10mm	96.00	160.00	192.00	240.00	320.00
12mm	115.20	192.00	230.40	288.00	384.00

**Joint fillers:** Where applicable, suitable joint filler should be used to partially fill the joint in order to provide correct depth to sealant. Suitable material is closed-cell X-linked polyethylene strip or Backer rod in suitable Dia

**Masking tape:** Masking tape may be used to improve the neatness of the finished seal by protecting the face edges of the joint. This should be removed immediately after the MixFLEX® AC sealant has been applied

Cleaning: Clean with mere damp cloth

## **Packing & Storage**

MixEXPANSEAL AC components are available in 5/10 & 20 kg pail. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers/ storage silos. The product should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Failure to comply with the commended storage conditions, excessive humidity and over exposure to UV may result in premature deterioration of the product

## **Health & Safety**

MixEXPANSEAL AC components no hazardous substances. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling.

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Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each Fab product

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Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hands- onapplication. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambiance. Climatic disparity in temperature, humidity, etc... and porosity of substrate may impinge on the values.

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