

ENESEAL ACR

Single component acrylic-based sealant

DESCRIPTION

ENESEAL ACR is a single component water-based Acrylic sealant primarily designed to seal internal and external low movement joints. It exhibits good adhesion to a wide variety of common construction substrate without the need of a primer.

USAGES

Recommended for use in low movement joints e.g., joints around window and door frames, skirting boards, walls and ceilings, Aluminum, and caulking cracks.

ADVANTAGES

- Over paintable
- Ready to use directly from the container/cartridge
- Good adhesion to variety of building substrate
- Available in different packaging sizes
- Designed for internal & external application

TECHNICAL DATA

ENESEAL ACR

Typical values

Tack free time
(ASTM C-679-87)

20 min

Skin time
(25°C @65% R.H.)

2 – 5 min

Curing Rate
(25°C @65% R.H.)

Depending on sealant volume & ambient temp. & humidity.

Service Temperature

-40°C to 70°C

Shore A Hardness
(DIN 53305)

25

Colors Availability

Grey, White & beige

Elongation

> 140%

(MAF) Movement Accommodation Factor

Butt Joints
(Tension & compression)

5%

Lap Joint
(Shear)

10%

Chemical resistance

Alkalis & dilute acids

Fair

Organic solvents

Poor

Tensile Strength

1.1 N/mm²

Specific gravity

1.67

Flow (Sag/Slump)

No sagging

USAGE INSTRUCTIONS

1. Surface preparation

Clean all joint surfaces and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits or algae. Roughen the surfaces, remove any laitance, and expose aggregate by light scrubbing or grit-blasting.

Oil and grease deposits should be removed by steam cleaning, detergent scrubbing, or the use of the proprietary degreaser.

Metal substrates should be cleaned, remove any rust, oils or coating that could be detrimental for bonding of sealant.

Any expansion joint filler must be checked to ensure it is tightly packed and no gaps or voids exist at the base of the sealing slot before positioning a bond breaker. The use of a bond breaker is not required in expansion joints containing cellular polyethylene joint filler, backing rod (**ENESEAL PBR**). For construction or contraction joints a bond breaker tape or back-up strip must be used.

2. Application

Cut and remove the end of the sachet and place sachet in the gun. Fit the nozzle and cut at 45 degrees to a suitable size for sealing the joint, extrude the sealant firmly into the joint. Tool flush within 5 minutes of application to ensure good contact between the sealant and the substrate, masking tape may be placed on the side of joint to prevent smearing of excess sealant and can be removed before sealant cures.

Maintenance: Damaged sealant can be repaired by cutting out the part and resealing it with **ENESEAL ACR**.

ENESEAL ACR packed in pail can be loaded into a sealant gun and applied with the above procedures, or the sealant can also be applied using a putty knife.

3. Cleaning

ENESEAL ACR should be removed from tools, equipment and mixers using a solvent immediately after use. Hardened material can only be removed mechanically.

4. Limitations

- Not recommended for below grade application or areas submerged in water
- Not recommended for heavy traffic areas
- Application temperature is 5°C – 50°C

PACKAGING

ENESEAL ACR is supplied in, 280 ml cartridge 600ml aluminum foil, 10 & 20 kg pails.

HEALTH & SAFETY

ENESEAL ACR is not classified hazardous. Contains isocyanate.

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent material safety data sheet containing physical, ecological, toxicological, and other safety-related data.

STORAGE & SHELF LIFE

Original sealed container of **ENESEAL ACR** has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°C.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
concretedoctor@arkaz.com

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13-March-2020