

# Adheseal

Technical Data Sheet:

## Everflex JS

### High Performance Joint Sealant

Low Modulus    Elastomeric    Exterior / Interior

Meets Spec. TT-S-00230C, Class A. and ASTM Spec. 834

#### Description

Everflex is an highly elastic *Hybrid Acrylic* joint sealant which has an exceptional resistance to weathering. It possesses exceptional adhesion to most building materials whilst still maintaining its superb elasticity through both hot and cold climates. Everflex has good non sagging properties and tools off to a very smooth surface.

Colours: Grey

#### Typical Uses:

For sealing exterior and interior joints that are subject to movement . Windows and doors. Precast panels. Tilt up construction. Blockwork. Brickwork. Timber. Metal. Many plastics including Acrylic and Polycarbonate.

#### Advantages:

**EXCELLENT WEATHERING ABILITY**

**EXCELLENT SLUMP RESISTANCE**

**SUPERIOR ADHESION** (no Priming)

**SUPERIOR ELASTICITY** (low modulus)

**NON-STAINING**

**NON TOXIC**

**NON HAZARDOUS**

**NO ISOCYANATES**

**PAINTABLE**

#### Application:

All joints should be filled to the required depth with *Adhefoam* backer rod or bond breaker tape prior to the sealant application. Tool off straight away using a spatula to a *flat not concave* finish.

#### Joint Preparation:

Surfaces must be clean, sound, free from dirt, grease laitance, loose particles or other contaminates.

#### Priming:

Priming is not normally required for most substrates however for suspect surfaces adhesion testing is recommended.

#### Joint Design:

Good building practice should allow for +25% movement of original joint width all though Everflex is capable of +50%. Recommended minimum depth of sealant is 6mm & a maximum of 10mm no matter how wide the joint width is.-

Do not place joints any deeper than Ratio 2:1.

#### Backer Rod:

Where required use *Adhefoam* open cell backer rod. Closed cell backer rod is also suitable but care must be taken not to damage the outer skin of the rod as this can cause gassing (bubbles) in the sealant. When the depth of the joint does not allow for backer rod a bond breaker tape is required to prevent three sided adhesion

#### Fire Rated Joints:

*Joints can be fire rated by using Fire-Foam backer rod as recommended in the Fire-Foam data sheet.*

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## Properties:

Product Type:	Hybrid Acrylic
Specific Gravity:	1.06
Elongation	1000%
Movement Capability	+ or- 50%
Low Temp Flexibility	(ASTM C-734)
	No Cracking or Adhesion Loss
Service Temperature	-18°C to 60°C
<b>UV Accelerated Weathering</b> (ASTM C-732)	
	No Cracking or Adhesion Loss

## Safety:

### **NON TOXIC & NON HAZARDOUS**

#### HMIS HAZARD RATING

<b>HAZARD WARNING</b>	0 = MINIMAL
HEALTH.....1	1 = SLIGHT
FLAMMABILITY.....1	2 = MODERATE
REACTIVITY..... 0	3 = SERIOUS
	4 = SEVERE

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## Guarantee/Warranty:

We warrant our products to be free of defects and manufactured to rigid quality control specifications. As it is impossible to control the use and application of the products, the company's liability is limited to replacing such quantities of product as are proven to be defective. The company disclaims any claims for repainting or other labour resulting from the use of the product. No responsibility is assumed for consequential damages arising from the use of the product. All other warranties including (merchantability or fitness for a particular purpose) are excluded. No representative of the company is authorised to grant any warranty or waive this limitation of liability. All claims concerning product defects must be made within twelve months of shipment. Absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

**Adequate Tests:** The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendations and suggestions contained herein are made without guarantee or representation as to the results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all your requirements.

## Precautions:

Everflex should not be used when rain is evident within 90 minutes of application as Everflex is a water based sealant and rain may cause washouts if insufficient curing has occurred for skin to form. Care should be taken to ensure that the backer rod cannot absorb water before the sealant has time to cure. It is necessary to have the top of the joint capped where rain is likely to be able to soak into the backing rod.

## Limitations:

Not suitable for Horizontal Joints that may be subject water before the sealant has sufficient time to cure. Not suitable for use where the joint will be totally submerged in water for prolonged periods of time. i.e. water retaining Everflex JS leaves an hour glass effect when cured and is not suitable where the joint is required to finish flush. If this is the case a second application of Everflex may be necessary after the first application has cured. Not suitable for pavement joints that may be subject to mechanical damage. i.e. high heeled shoes etc.

## Cleaning:

Uncured sealant may be removed with clean water.

## Shelf life:

Minimum of 12 months when stored between 5°C & 32°C in unopened containers.