

Adheseal

Technical Data Sheet:

Allflex 101

High Performance Joint Sealant & Bedding Compound

Low Modulus Elastomeric Exterior / Interior

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

Description

Allflex 101 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. Allflex 101 has good non sagging properties and tools off to a very smooth surface.

Colours: Clear,

Typical Uses:

As a glazing & bedding compound for timber joinery.

For sealing and adhering to exterior and interior substrates that are subject to movement. Eg: 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

Glazing timber joinery:

1. Apply a thin bead to the glazing rebate & place glass.

2. Apply in small beads (approx 2-3mm) and press cover strip onto glass immediately.

When cured remove any squeeze out by cutting with a sharp blade.

Expansion Joints:

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

Preparation:

Surfaces must be clean, sound, free from dirt, grease laitance, loose particles or other contaminants. **TIMBER MUST BE DRY.**

Priming:

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

Joint Design:

Expansion Joints:

Good building practice should allow for +25% movement of original joint width although Allflex 101 is capable of +50%. Recommended minimum depth of sealant is 6mm & a maximum of 10mm.

Ratio 2:1 Width/depth.

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.

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
UV Accelerated Weathering (ASTM C-732)
 No Cracking or Adhesion Loss

Safety:

NON TOXIC & NON HAZARDOUS

<u>HMIS HAZARD RATING</u>	
<u>HAZARD WARNING</u>	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:

Allflex 101 should not be used when rain is evident within 90 minutes of application as Allflex 101 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 Allflex 101 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 Allflex 101 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.