

# PolyTech EXTREME

## Adhesive & Sealant



### Technical Data Sheet

#### Description

PolyTech EXTREME is a multi-purpose sealant and adhesive based on an advanced silane polymer formulation.

#### Colour

White. Crystal clear version available, refer to PolyTech CRYSTAL.

#### Packaging

290ml cartridges (box quantity 12)

#### Surface Preparation

- May be applied to damp substrates.
- For optimum adhesion, surfaces should be clean, dry, sound and free of contamination.
- Always carry out a test to confirm compatibility prior to use.
- Roughen non-porous surfaces.
- On materials such as glass, aluminium, ceramics, lacquered wood, epoxy and polyester no primer is required. For other materials, please contact VJT Technical.

#### Application

- Cut off end of thread with a sharp knife, avoiding damage to the thread. Trim the nozzle to the required diameter.
- Ensure good contact between the joint surfaces before applying adhesive.
- Apply a bead of adhesive to one or both surfaces.
- For larger bond areas, spread the adhesive immediately using a notched spreader.
- Bring the two components together immediately and clamp securely together for at least 30 minutes until sufficient bond strength has developed. Sufficient working strength will normally develop after 30 minutes.

#### Cleaning

Remove excess adhesive immediately with a suitable high strength cleaner. Ensure surface is solvent resistant before cleaning. Cured adhesive can only be removed mechanically.

#### Notes

Not suitable for bonding polyethylene, polypropylene, Teflon® or nylon. Not recommended for sheet laminate. Not recommended for use on synthetic materials sensitive to stress cracking. Not suitable for constantly submerged joints. Do not use as a structural glazing adhesive.

#### Health & Safety Precautions

Safety data sheet must be read and understood before use.



#### Usage/Purpose

PolyTech EXTREME provides a high strength flexible bond in a wide variety of construction and industrial applications. Typical uses include the bonding of skirting boards, battens, slats, door thresholds, acoustic panels (and similar sheet materials), etc.

#### Key Benefits

- A green alternative to traditional polyurethane adhesives - does not contain solvents or isocyanates and is very low odour.
- Excellent adhesion to a wide range of materials including metals, glass, PVC, and concrete.
- Tack free in less than 30 minutes.
- Excellent weather resistance - suitable for internal and external applications.
- Can be overpainted once cured.

## Technical Information

Property	Test Method	Results
specific gravity	DIN 52451-A	1.6
consistency	EN 27390 20mm profile	0mm, non-sagging
shore A hardness		50
shrinkage	DIN 52451	3%
modulus at 100% elongation	EN 28340	1.7 N/mm <sup>2</sup>
tensile strength	DIN 53504 S2	2.1 N/mm <sup>2</sup>
elastic recovery	EN 27389-B	> 50%
cure time (at 20°C)		approx. 2.5mm/day
skinning time	at 23°C and 50% R.H.	approx. 17 mins
application temperature		+5°C to +40°C
service temperature		-40°C to +90°C
storage		store in dry shaded conditions between +5°C and +25°C
shelf life		12 months when stored as recommended in original, unopened packaging

## Coverage

Width x Depth (mm)	Linear meters per 290 ml cartridge
5 x 5	11.6
8 x 6	6.0
10 x 8	3.6
15 x 10	1.9
20 x 12	1.2
25 x 15	0.8
30 x 15	0.6

All product specifications and data are subject to change without notice.

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**VJ Technology Limited**  
 Technology House, Brunswick Road,  
 Cobbs Wood Industrial Estate,  
 Ashford, Kent. TN23 1EN  
 t.01233 637695  
 e. enquiries@vjtechnology.com  
 www.vjtechnology.com