

# PL 300

## TOTAL FIX FlexTec Polymer



### CHARACTERISTICS

- ▶ For indoor and outdoor use
- ▶ For bonding and sealing
- ▶ Highly flexible bonds Instant tack
- ▶ For all materials and substrates
- ▶ UV- and weather-resistant
- ▶ Solvent- and isocyanate-free
- ▶ Sound- and vibration-damping
- ▶ Over-paintable and sandable
- ▶ Neutral odour
- ▶ Gap-bridging
- ▶ Low shrinkage
- ▶ Available in several colours

### SCOPE OF USE

- For producing highly flexible bonds indoors and outdoors
- For both bonding and sealing
- For all absorbent and non-absorbent substrates, e.g. bricks, ceramics, metals, plasterboards, stone, plastics (except PE, PP, Teflon, acrylic glass and similar materials), varnished/coated surfaces
- For fixing mirrors

### SUBSTRATE PREPARATION

All substrates must be load-bearing, sound, clean, free of dust, grease and oil and not in permanent contact with water. In order to ensure a durable, secure bond, the absorption of small amounts of moisture (e.g. from ambient air) is required.

### APPLICATION

#### Material preparation:

Apply Pattex PL 300 Total Fix with a standard cartridge gun.

In the case of exotic woods rich in active substances such as teak, wash the surfaces to be bonded with acetone immediately before joining the work pieces.



#### Adhesive application:

Depending on the substrates, apply the adhesive uniformly over the full surface area using either line or spot application. If appropriate, the adhesive can also be applied with a PE glue comb.

Ensure proper ventilation by allowing a distance of approx. 3 mm (especially with two non-absorbent substrates). This means that the adhesive must have a final layer thickness of at least 3 mm.

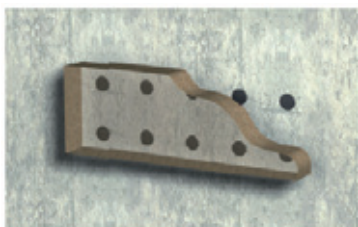


#### Line application (vertical):

If the adhesive is applied as vertical lines, any moisture (either as condensate or water acting directly on the bond) is free to drain off at the lower edge of the bonded work piece.

**Spot application:**

When bonding light-weight components, it is also possible to use the spot application method. The effect of spot application is similar to that produced by vertically applied lines.



After that, press the work pieces down but make sure that the adhesive lines or spots do not conjoin. As a precaution, heavy parts or work pieces under tension should be secured for a period of 24 hours.

## TRADE INFORMATION

**Short code / Packaging unit**

PPL3W	White	12 cartridges of 300 ml each
PPL3T	Transparent	12 cartridges of 300 ml each
PPL3B	Beige	12 cartridges of 300 ml each

## PLEASE NOTE

**Restrictions for use:**

Not suitable for bonding PE, PP, PTFE, Teflon or similar plastics and acrylic glass. When bonding plastic materials and varnished/coated surfaces, the user should carry out preliminary tests to ensure a reliable bond. Not recommended for producing bonds in wet rooms or for surfaces with constant exposure to moisture. Mirrors must be installed according to DIN 1238 5.1 and DIN EN 1036.

**Over-paintability:**

After drying, the adhesive can be over-painted, ideally with water-based acrylic paints.

Preliminary tests are recommended!

**Removal of adhesive residues:**

Before drying, wipe off excess adhesive using a cloth soaked with acetone or cleaner's naphtha.

After curing, product residues can only be removed mechanically.

**Safety precautions:**

Not required.

## TECHNICAL DATA

Basis:	Silane-curing FlexTec polymer
Colours:	White, transparent, beige
Density (specific gravity):	Approx. 1.4 g/cm <sup>3</sup> (coloured adhesive) approx. 1.1 g/cm <sup>3</sup> (transparent adhesive)
Application temperature:	+5 °C to +40 °C
Temperature resistance:	-30 °C to +80 °C; short-term exposure to 100 °C
Coverage:	Approx. 300 g/m <sup>2</sup> with full-surface application, or approx. 11 meters when applying lines of 6 mm thickness
Final bond strength:	3-3.6 N/mm <sup>2</sup> (DIN EN 205)
Open time:	Approx. 15 minutes at room temperature (23 °C)
Gap-bridging capacity:	Max. 20 mm
Drying time:	Min. 24 hours when applying layers of 2 mm thickness
Shelf-life:	12 months if stored in a frost-free, cool and dry place

**Should you need support or advice, please contact our advisory service for craftsmen: phone 0211/797-6700.**

The above information, in particular recommendations for the handling and use of our products, is based on our professional knowledge and experience. As materials and conditions may vary with each intended application and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for the intended application method and use. Legal liability cannot be accepted on the basis of the contents of this technical data sheet or any verbal advice given unless there is evidence of wilful intent or gross negligence on our part.

This technical data sheet supersedes all previous editions relevant to this product.

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