

PU Adhesive

Polyurethane Fixing Adhesive

Description

A solvent free rubber filled, urethane gap filling adhesive with excellent bond strength and non slump characteristics making it ideally suited for the bonding of polyurethane detectable warning surfaces to concrete, asphalt, steel and other construction and building products.

Colours: Buff, Red, Hazard Yellow, Standard Grey and Charcoal

Advantages

- Non shrink.
- Solvent free system.
- Non slumping, no primer required.
- Excellent adhesion to a wide range of construction materials.

Technical Information

Adhesive Temperature (°C)	Winter Grade PU Adhesive		Summer Grade PU Adhesive	
	Working Time (mins)	Curing Time (mins)	Working Time (mins)	Curing Time (mins)
25 - 30	5-10	20-40	20-30	60-90
15 - 20	10-15	30-60	35-45	90-120
5 - 10	20-30	60-120	50-60	120-150
1 - 5	30-45	90-180	N/A	N/A
-5 - 0	45-60	135-240	N/A	N/A

Test Age	Adhesion Strength	Failure Type
1 day	1.9 MPa	Concrete and bond failure
2 day	2.3 MPa	Concrete Failure
3 day	2.8 MPa	Concrete Failure

Full Cure	7 days
S.G.	1.1

Mixing Instructions

The entire contents of the hardener bottle should be added to the base container and thoroughly mixed using a slow speed high torque mechanical mixer for at least 2 minutes, ensuring that the edges and bottom of the container are thoroughly scraped with the mixing paddle to make sure that all the product is evenly mixed.

NOTE: Hand mixing is insufficient to ensure complete mixing.

Application Instructions

All surfaces should be clean and dry after being finished to a U3 standard and abraded to remove laitance, if needed.

The mixed Adhesive should be applied using a serrated trowel and evenly spread over the area to receive the tiles. Place one edge of the tile onto the adhesive and in a rolling motion press the tile into position, expelling air from beneath as it is laid. Remove excess adhesive and tool to a smooth finish. All equipment should be cleaned immediately using Nuwash.

Refer to Installation guide for more detailed instructions.

Packaging

PU Adhesive is available in 3.5 litre packs

NOTE: One tub of adhesive should be used to lay 8-10 tiles.

Storage

Shelf life of PU Adhesive is 6 months when stored unopened. PU Adhesive should be stored at warm temperatures. If stored in cold conditions the containers should be warmed prior to mixing. This will greatly aid mixing and application. PU Adhesive should be stored away from foodstuffs and out of the reach of children.



Health & Safety

Product Safety Data Sheets (SDS) are available from Visul. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

Limitations

PU Adhesive is not recommended for use at temperatures below 3°C as the cure time will be greatly extended. For low temperature work please contact our technical department.

Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Visul be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical contacts are available to provide further information and arrange demonstrations.