UNISTICK EA 5537

FLOWABLE EPOXY ADHESIVE GROUT



Product Features

UNISTICK EA 5537 is a high-performance, flowable two-component epoxy adhesive grout. It bonds to concrete and to a wide range of substrates, including metal, wood, ceramic, rigid plastic and polyethylene filler board.

It is the bonding adhesive for **UNIFIX® TPE** and **TPE-FELT** expansion joint tapes and for **UNIJOINT® FLEXSEAL** joint seals, and, being flowable and self-levelling, it is also used for tile grouting and for sealing cracks in concrete slabs.

Advantages

- Flowable And Self-Levelling, Fills Small Cracks And Gaps
- Bonds To Concrete, Metal, Wood, Ceramic, Rigid Plastic And PE Board
- High Solid Content (98%), Low VOC Emissions
- Touch Dry In About 3 Hours At 28°C
- Bond To Concrete Stronger Than The Concrete (Concrete Failure)

Fields of Application

- Bonding UNIFIX® TPE and TPE-FELT joint tapes to concrete
- Bonding UNIJOINT® FLEXSEAL expansion joint seals to the joint faces
- Sealing cracks in concrete slabs, floors and tanks; anchoring bolts
- Grouting tiles with joints of 1 - 10 mm on horizontal surfaces

Compatible Products

- UNIFIX® TPE and TPE-FELT expansion joint tapes, bonded along both joint edges
- UNIJOINT® FLEXSEAL expansion joint seals, bonded to both joint faces

© 2026 Unity Reliance (M) Sdn Bhd. All rights reserved. Unauthorised reproduction, or use for other brands, is prohibited.

Technical Properties

Property	Unit Measurement	Result
Tensile Strength	N/mm^2	20
Compressive Strength	N/mm^2	52
Elongation at Break	%	3.0
Bond Strength to Concrete	-	Concrete Failure

Physical Properties

Material	:	Epoxy Based Adhesive
Colour	:	Buff
Physical Appearance	:	Viscous Liquid
Number of Component	:	2
Mixing Ratio (by weight)	:	Part A: 3.4 kg Part B: 1.6 kg
Pot Life @ 28°C	:	30 minutes (100 g mass)
Touch Dry Time @ 28°C	:	3 hours
Cleaning Agent	:	Xylene or MEK Solvent
Flash Point	:	Part A: 100°C | Part B: 160°C
Packing Size	:	5 kg per set (Part A + Part B)

Health & Safety

UNISTICK EA 5537 is an epoxy adhesive. Wear gloves and goggles, avoid contact with skin and eyes, and use in a well-ventilated area. For handling, first aid, spillage and disposal, refer to the Safety Data Sheet for **UNISTICK EA 5537**.

Shelf Life & Storage

Store **UNISTICK EA 5537** at or below **30°C**, away from direct sunlight and rain, and keep the containers sealed until ready for use. Shelf life is **12 months** from the shipment date when stored indoors as recommended.

This technical data sheet is given in good faith and does not guarantee the application work.
All Unity Reliance technical data sheets & method statements are updated on a regular basis and can be subject to change without notice.
It is the user's responsibility to obtain the latest version of the information required.

© 2026 Unity Reliance (M) Sdn Bhd. All rights reserved. Unauthorised reproduction, or use for other brands, is prohibited.

UNISTICK EA 5537

Installation Procedures

1 Preparation | 2 Mixing | 3 Application | 4 Cleaning

Step 1
SURFACE PREPARATION

Make sure the surfaces to be bonded are clean and dry, free from dust, dirt, oil and grease.

Step 2
MIXING

Combine both components in the correct ratio (**3.4 : 1.6** by weight).

Mix thoroughly until the mixture achieves a uniform colour.

Mix only as much as can be used within the pot life: all mixed material must be used up before it starts to set.

Step 3
APPLICATION

Apply the mixed adhesive to the bonding area with a trowel or spatula and work it well into the substrate. Keep the bonded parts in firm contact, clamped where needed, until handling strength is reached; then keep loading to a minimum until full bond strength develops.

UNIFIX® TPE / TPE-FELT tape: apply about **1.0 – 1.5 mm** on both edges of the joint, 40 - 50 mm wide on each side, lay the tape onto the adhesive and roller it down, then apply a second 1.0 - 1.5 mm layer over the tape edges, overlapping the edge by at least **20 mm**.

UNIJOINT® FLEXSEAL: apply an even coat to both joint faces over the full depth of the seal and to both sides of the seal, then press the seal in flush with the surface within the working time. Remove excess adhesive before it cures.

Full performance develops after curing for approximately **5 days at 28°C**; protect from water and loading until then. Curing can be accelerated by heating up to 80°C (small masses only).

Step 4
CLEANING

Clean tools and equipment with xylene or MEK solvent before the adhesive cures. Cured adhesive can only be removed mechanically.

Important Notes

- Apply all mixed material within its specified pot life to avoid premature hardening.
- Apply between 10°C and 35°C, avoiding direct sunlight. Note that temperatures above 30°C significantly shorten working time.
- Ensure surfaces are completely dry; do not apply on damp, wet, or moisture-laden substrates.
- Do not attempt to thin the material with solvents.

© 2026 Unity Reliance (M) Sdn Bhd. All rights reserved. Unauthorised reproduction, or use for other brands, is prohibited.



No.135B, Jalan Kip 8,
Kawasan Perindustrian Kepong
52200 Kuala Lumpur

(+60) 3-6734 7941
(+60) 10-785 1159

enquiry@unityreliance.com
https://www.unityreliance.com

© 2026 Unity Reliance (M) Sdn Bhd. All rights reserved. Unauthorised reproduction, or use for other brands, is prohibited.