UNISTICK EA 33

GENERAL PURPOSE EPOXY ADHESIVE PASTE



Product Features

UNISTICK EA 33 is a 98% solids, two-component, general-purpose epoxy adhesive paste. Its thixotropic, **non-sagging** consistency lets it be applied on vertical and overhead surfaces without running or dripping.

It bonds strongly to concrete, metal, wood, ceramic and rigid plastics, and is used for structural bonding and for filling crack lines in concrete walls and floors, as well as for marine, furniture and FRP composite bonding.

Advantages

- Non-Sagging Paste, For Vertical And Overhead Work
- 98% Solids, Low VOC
- Bonds Concrete, Metal, Wood, Ceramic And Rigid Plastics
- Simple 1 : 1 Mixing Ratio By Weight
- Touch Dry In About 4 Hours At 25°C

Fields of Application

- Structural bonding and sealing crack lines in concrete walls and floors
- Bonding metal, wood, ceramic and rigid plastic parts, incl. furniture joinery
- Marine and boat sealing requiring durable, high-adhesion bonding
- Composite (FRP) bonding, jointing and surface repairs

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Technical Properties

Property	Unit Measurement	Result
Tensile Strength	N/mm²	20
Compressive Strength	N/mm²	52
Elongation At Break	%	3.0
Bond Strength to Concrete	-	Concrete Failure

Physical Properties

Material	:	Thixotropic epoxy adhesive paste
Colour	:	Off-White
Number of Components	:	2
Mixing Ratio (by weight)	:	1 : 1 (by weight)
Pot Life @ 25°C	:	30 minutes (100 g mass)
Touch Dry @ 25°C	:	4 hours
Cleaning Agent	:	Xylene or MEK Solvent
Flash Point	:	Part A: > 100°C | Part B: > 100°C
Packing Size	:	5 kg / 10 kg set (Part A + Part B)

Health & Safety

Do not ingest. Avoid contact with eyes and skin, as the material may cause irritation or sensitisation; wear protective clothing and gloves. In case of eye contact, flush immediately with clean water and seek medical attention. Keep out of reach of children. Safety Data Sheets (SDS) are available on request.

Shelf Life & Storage

Store **UNISTICK EA 33** at or below **30°C**, away from direct sunlight and rain, and keep the containers sealed until ready for use. Shelf life is **6 months** from the shipment date when stored indoors at 30°C.

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.

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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 (**1 : 1** by weight).

Mix thoroughly until the mixture achieves a uniform colour.

Do not mix more than **1.0 kg** at a time: larger masses build up heat, which shortens the pot life. Use all mixed material before it starts to set.

Step 3
APPLICATION

Apply the mixed paste to the bonding surfaces with a spatula or trowel. It does not sag, so it can be used on vertical and overhead surfaces and pressed into crack lines. Hold the bonded parts in firm contact until handling strength develops, normally after **6 – 7 hours at 28°C**; the clamping pressure can then be removed, but keep loading to a minimum until full bond strength develops.

Full performance develops after curing for approximately **7 days at 28°C**. Curing can be accelerated by heating up to 80°C for 2 hours (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.

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