



BUILDING TRUST



PRODUCT DATA SHEET

LANKO 534 REBAR ANCHORING

EPOXY FOR ADHESIVE AND REPAIRING

DESCRIPTION

LANKO 534 REBAR ANCHORING is a dual-component epoxy, based on a combination of epoxy resins and special fillers, with high bonding and high tensile strength, use for structural 2-component adhesive and repair mortar.

USES

LANKO 534 REBAR ANCHORING may only be used by experienced professionals.

As a structural adhesive and mortar for:

- Concrete elements.
- Steel, Iron, Aluminium.
- Mortar, Bricks.
- Ceramics, tile, natural stone.

As a repair mortar and adhesive:

- Corners and edges of concrete elements.
- Holes and void filling.
- Repair crack of concrete and mortar.

CHARACTERISTICS / ADVANTAGES

- High compressive strength.
- High adhesion strength.
- Good abrasion resistance.
- Hardens without shrinkage.
- Can be applied on dry or mat damp surface.
- Impermeable to liquids and water vapour.
- Can be applied on vertical surface.

PRODUCT INFORMATION

Composition	Epoxy resin
Packaging	1 kg set (A+B), 12 sets per box (12 kgs) 2 kg set (A+B), 12 sets per box (24 kgs)
Colour	Component A : White Component B : Dark grey Component A+B mixed : Concrete grey
Shelf life	24 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	store in dry conditions at temperatures between +5°C and +30°C. Protect from direct sunlight.
Density	1.90 ± 0.1 kg/L (components A+B mixed)

TECHNICAL INFORMATION

Tensile strength	1 day @30°C ≥ 7 MPa	3 days @30°C ≥ 15 MPa	(ISO 527)
Tensile adhesion strength	1 day on dry concrete @10°C ≥ 3 MPa	1 day on steel @10°C ≥ 5 MPa	(ISO 4624, EN 1542 and EN 12188)

APPLICATION INFORMATION

Mixing ratio	Component A : Component B = 2 : 1 by weight or volume
Consumption	1.9 kg/sq.m. per 1 mm thickness
Ambient air temperature	+10°C min. / +30°C max.
Pot Life	~ 35 minutes (at +30°C)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

1. Mortar and concrete must be older than 28 days (depends on minimal requirement of strengths).
2. Substrates must be sound, dry or mat damp (no standing water), clean and free from laitance, grease, oils or paint.

MIXING

Machine-mix component A : component B = 2 : 1 by weight or volume for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max. 300 rpm) until the material becomes smooth in consistency and a uniform grey colour. Then pour the whole mixed adhesive into a clean container and stir again for approx. 1 more minute at low speed to keep air entrapment at a minimum. Mix only that quantity which can be used within its potlife.

APPLICATION METHOD / TOOLS

1. When using a thin layer adhesive, apply the mixed adhesive to the prepared surface with a spatula, trowel, notched trowel, (or with hands protected by gloves).
2. When applying as a repair mortar, spread the mixed adhesive and then trowel firmly into prepared holes, void or crack surface. For corners and edges of concrete elements, use some formwork.
3. When using for rebar anchoring, drill holes 1-3 mm wider than the diameter of the rebar, apply mixed adhesive into dry or mat damp drill holes, then insert the rebar with a rotary motion into the filled drill hole. Some adhesive must come out of the hole.
4. When using for bonding metal profiles onto vertical surfaces, support and press uniformly using props for at least 12 hours, depending on the thickness applied (not more than 5 mm) and the room temperature. Once hardened check the adhesion by tapping with a hammer.

IMPORTANT CONSIDERATIONS

- In case of substrate moisture content, the substrate must be dry or mat damp (no standing water) and use trowel to apply by press and scrub the mixed adhesive firmly into the substrate.
- Wear gloves and safety goggles.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either

from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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