



ANKOR

Two-component structural epoxy adhesive for concrete pour joints.

Average consumption

- slightly rough substrates
0.350–0.600 kg/m²
- very uneven substrates
0.700–1.800 kg/m²
- per mm thickness for steel/concrete
1.350 kg/m²

Packs (A+B)

5 kg • 10 kg

APPLICATION



DESCRIPTION

ANKOR is a two-component, solvent-free epoxy adhesive which, when applied to a concrete substrate, penetrates it and forms a tacky layer capable of ensuring perfect bonding of new concrete of any thickness to existing concrete. It is a solvent-free product with high penetrating power. It can also be applied to damp substrates (with no film of water). ANKOR bonds even in the presence of moisture.

INTENDED USE

ANKOR is specifically used as an adhesive for concrete pour joints on dry or slightly damp concrete, for steel-to-concrete bonding, for filling small cracks, for strengthening beams or columns using the béton-plaqué technique, and for impregnating carbon-fibre fabrics. Suitable for structural bonding.

ADVANTAGES

- Bonds even in the presence of moisture
- Solvent-free
- High penetrating power

APPLICATION INSTRUCTIONS

Substrate preparation

Thoroughly clean the surface to remove any loose material, moss, oils and greases that could impair adhesion. If there is any standing water, it must be completely removed.

Product preparation

Mix ANKOR Comp. A and ANKOR Comp. B separately using a mixer with paddle. Then combine the two components in a clean container and mix thoroughly for around 2-3 minutes using a low-speed paddle mixer.

For partial preparation, strictly follow the catalysis ratio shown on the label on the pack, using electronic scales.

Once the two components (A + B) have been mixed, the product must be applied immediately, before catalysis begins (approx. 20 minutes at approx. 25 °C, depending on the external temperature). At higher temperatures, working time is reduced, as the product catalyses more quickly.

For the béton-plaqué technique, the product can be thickened as required using the specific TIXOPLUS additive (typically 0.5% to 4% by weight of the product). In this case, note that setting times will be accelerated.

Material Application

Apply the product in a single coat using a brush, roller or broom brush and, while the product is still fresh, proceed with the new pour.

TECHNICAL DATA

PRODUCT DATA	
Product type	two-component
Catalyst ratio A:B	80:20
Colour	grey
Appearance	liquid
Storage	12 months at temperatures between +5 and +35 °C, protected from moisture
APPLICATION DATA	
Compressive strength	> 70 N/mm ²
Concrete-to-steel bond strength	> 3 N/mm ² (concrete failure)
Coating overcoating time	before catalysis begins
Flammability	non-flammable
Specific gravity	• component A: 1,15 • component B: 1,10 • component A+B: 1,12
Average consumption	• slightly rough substrates 0,350 ÷ 0,600 kg/m² • very uneven substrates 0,700 ÷ 1,800 kg/m² • steel/concrete 1,350 kg/m² per mm thickness
Service temperature limits	+ 5°C / + 30°C

This data sheet is based on our best knowledge of the product. As we cannot exercise any control over its application and, given the many possible conditions of use, NAICI accepts no liability for the use of the product. Always refer to the latest updated version of the technical data sheet, available at naici.it, or contact ufficiotecnico@naici.it



APPLICATION TIMES		
Temperature	Pot life	Concrete pour time
10°C	30'	1 hour
25°C	20'	40'
30°C	15'	30'

Note: The pouring times should be calculated from the moment the product is mixed.

PACK SIZES

5 kg ▪ 10 kg

WARNINGS

Given its specific application, ANKOR has very fast drying times and, in hot weather, the pot life is reduced even further. We therefore recommend preparing small batches, taking care to follow the catalysis ratio stated on the label applied to the pack.

In cold weather, the product may be more viscous and therefore harder to apply; in this case, place the product in a heated environment for at least 24 h prior to application.

When using the product, wear protective gloves and safety goggles and take all necessary precautions. For further, complete information on safe use, please consult the latest version of the safety data sheet.

SPECIFICATION CLAUSE

Construction of a new concrete pour onto an existing one (construction joint) using a dedicated two-component, solvent-free epoxy adhesive such as ANKOR -NAICI-, to be applied by roller, brush or broom at a rate of $0.350 \div 0.450 \text{ kg/m}^2$, with wet-on-wet placing. Consumption increases to $0.700 \div 1.800 \text{ kg per m}^2$ for very uneven substrates and to 1.350 kg/m^2 per mm of thickness for steel/concrete. Also suitable for steel-to-concrete bonding, filling small cracks, strengthening beams or columns using the béton-plaqué technique, and impregnating carbon-fibre fabrics. Suitable for structural bonding.

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