PRODUCT DATA SHEET

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WINCOLLA

DESCRIPTION OF THE PRODUCT

WINCOLLA is a two-component, epoxy resin-based adhesive grout, formulated with special fillers that impart thixotropic properties, allowing easy application on horizontal, vertical and overhead surfaces.
Developed in the WINKLER Research & Development laboratories.

FIELDS OF USE

WINCOLLA, exhibits high mechanical strength and excellent adhesion. It is designed for bonding materials such as concrete, mortar, natural stone, metal, wood, steel, cement, bricks, and similar substrates.
WINCOLLA is suitable for surface levelling and for grouting and repairing damaged concrete.
It can also be used as a bonding bridge between the old and the new concrete, ensuring reliable adhesion even on very smooth surfaces. **WINCOLLA** is compatible with the Beton Plaquè technique and can be used both as an adhesive and for waterproofing applications.

SURFACE PREPARATION

The surfaces to be treated must be dry and free from dust, loose particles, and any foreign or non-adherent substances. For applications on metal substrates, all traces of rust, grease, and oil must be completely removed by mechanical means (e.g., sanding or wire brushing).

RECOMMENDATIONS

Do not add any additives.
Do not use the product if the packaging is damaged.
Do not add water or solvents.

WARNINGS

Do not apply **WINCOLLA** at temperatures below + 5 ° C.
Application must be carried out at temperatures between + 5 ° C and + 30 ° C.
Once mixed, the components must not be exposed to direct heat source.
To avoid alterations in product performance, partial quantities must not be mixed.

winkler® Advanced Building Material

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APPLICATION

Pour Component B into Component A and mix thoroughly until a uniform colour is obtained. When mixing with a drill, use a low speed (max 600 rpm).
Allow the mixture to stand for ten minutes before application.
For bonding applications, apply the product and keep the bonded elements firmly pressed for at least 18 hours.

Application of WINCOLLA for Casting:

The substrate must be clean, free from dust, oil, and any surface moisture.
Apply **WINCOLLA** using a brush, roller or spatula.
Apply the mortar or concrete not earlier than 15 minutes and not later than 2 hours (20 ° C) after application.

CONSUMPTION

1.6 kg / m² per mm of thickness
For casting: 0.5 - 0.6 kg / m²

PACKAGING

Total 3 kg (Component A: 1.5 kg + Component B: 1.5 kg)
Box containing 6 units of Comp. A and 6 units of Comp. B

Total 10 kg (Component A: 5 kg + Component B: 5 kg)

STORAGE

The product in its original and undamaged packaging, can be stored for up to 24 months. Store at temperatures between +5°C and 35 °C. The product is not frost-resistant.

SAFETY INSTRUCTIONS

PRECAUTIONS

For safety information, the user must refer to the latest Safety Data Sheet (SDS), prepared in accordance with applicable regulations. The SDS contains detailed information on the physical, toxicological, and safety characteristics of the product.

DISPOSAL AND ENVIRONMENTAL PRECAUTIONS

Do not release the product or empty containers into the environment. For detailed disposal instructions, refer to the most recent Safety Data Sheet (SDS).

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TECHNICAL FEATURES
(average value)

FEATURES	RESULTS
Appearance	Paste
Colour	Comp. A: Light grey Comp. B: Dark grey
Colour A+B	Grey
Mixture ratio	1:1
Density at +20°C	1.55-1.6 g/cm³
Dry content	100%
Brookfield viscosity (A+B mixture)	40.000 mPa.s
Initial drying time at 20°C	4h 30 min
Final drying time at 20°C	5h
Workability time	3h 30 min (at +10°C) 2h 30 min (at +20°C) 1h 15 min (at +30°C)
Complete hardening	7 days
Operating temperature range	From -30°C to +100°C

PRODUCT FOR PROFESSIONAL USE ONLY

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