PRODUCT DATA SHEET

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WINFIX UNIVERSAL

DESCRIPTION OF THE PRODUCT
Two-component universal primer based on epoxy resins in aqueous dispersion. It is suitable for a wide range of substrates. Formulated by WINKLER Research & Development Laboratories.

The product has the following characteristics:

- Allows overcoating even after extended periods
- Easy to apply by brush or airless spray
- Service temperature range: -30°C to +100°C (in air)

FIELDS OF USE
WINFIX UNIVERSAL is an extremely versatile primer, providing excellent adhesion on a wide range of substrates including concrete, cementitious materials, epoxy-cement mortars, ceramic materials, certain plastics including PVC, old coatings, and metals in general. (For further details on suitable substrates, please consult the technical department).

SURFACE PREPARATION
Proper preparation of the substrate is essential. The surface to be treated must be treated must be free from any pollutants, dry, and structurally consistent, with a minimum tear resistance of 1.5 Mpa.
The surface should be prepared by sanding, shot peening, or milling, depending on the typo of substrate, as described below:

Cement: the surface must be as planar as possible, sound, dry, and free from uneven layers or contaminants. Clearing can be carried out by hydro-washing

Wet or counter-thrust surfaces: apply **WINFIX WET** beforehand

Glass, ceramics, tiles, and stoneware: these surfaces require sanding or shot peening

Plastics in general: sanding is necessary to ensure proper adhesion

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RECOMMENDATIONS

Do not use the product if the packaging is damaged.
Do not use the product beyond the expiry date indicated on the container.
Do not dilute with solvents.

PRODUCT PREPARATION

WINFIX UNIVERSAL is a two-component product that must be thoroughly mixed before use using a low-speed helical stirrer. Add Component B to Component A and mix for a few minutes until a homogeneous, lump-free mixture with a uniform colour is obtained. After mixing, dilute the product with 5-10% clean water and continue mixing for an additional 1-2 minutes to ensure complete uniformity.

APPLICATION

The product must be applied in one or two coats, by brush, satin roller, or airless spray, with a consumption of 180-200 g/m² per coat.
During application, dripping must be avoided, and the maximum consumption of 200 g/m² must not be exceeded, as an excessive glossy appearance could compromise the final result. Apply the product at temperatures between +10°C and +35°C.

TOOL CLEANING

Clean tools with water or alcohol while the product is still fresh.
Once the material has hardened, removal is only possible by mechanical means.

CONSUMPTION

180-200 g/m² per coat, in one or two coats

PACKAGING

Total 6 kg (Component A: 5 kg + Component B: 1 kg)
Total 18 kg (Component A: 15 kg + Component B: 3 kg)

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STORAGE

The product in its original and undamaged packaging, can be stored for up to 12 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).

MIX TECHNICAL FEATURES (average value)

Data determined at 22±2°C

FEATURES	STANDARD	RESULTS
Catalysis ratio	-	100 parts by weight Comp. A 20 parts by weight Comp. B
Bulk density	EN ISO 2811-1	1.30 ± 0.05 kg/l
Viscosity	UNI EN 8490	25000 ± 5,000
Pot life	EN ISO 9514	45 minutes
Theoretical consumption	-	150-200 g/m²
Theoretical thickness	-	60-80 µm
Non-volatile substances	EN ISO 3251	65% by weight

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DRYING TIMES

Hardening at 22°C, 50% R.H.

FEATURES	RESULTS
Dry to the touch	2 hours
Over-application	Min. 24 hours to max. 6 days
Fully cured	10 days

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