

PRODUCT NATURE

Universal primer, two-component, based on epoxy resins in aqueous dispersion, suitable for a variety of surfaces, formulated at the WINKLER Research & Development laboratories.

The product has the following characteristics:

- Overlapping even after a long time.
- Ease of application by brush and airless spray
- Operating temperatures from -30°C to $+100^{\circ}\text{C}$ (in air)

FIELD OF USE:

WINFIX UNIVERSAL is an extremely versatile primer with regard to the possibility of adhesion on the various surfaces: concrete, cementitious materials, epoxy-cement mortars, ceramic material, certain plastics including PVC, old coatings and metals in general (for further details on substrates consult the technical department)

SURFACE PREPARATION

Preparation of the substrate is essential, so the surface to be treated must be free from any pollutants, must be dry, consistent and must have a tear resistance of at least 1.5MPa. In any case, it is necessary to prepare the surface by sanding, shot peening or milling, depending on the type of substrate, as described below:

Cement: the surfaces must be as planar as possible, healthy, dry, free from uneven layers and polluting elements. Cleaning can be performed by hydro-washing.

On wet or counter-thrust surfaces, use WINFIX WET in advance.

Glass, ceramics, tiles, stoneware: sanding or shot peening.

Plastics in general: sanding.

PRODUCT PREPARATION

Two-component product to be mixed thoroughly before use with low rpm helical stirrer. Mix component B with component A for a few minutes to obtain a homogeneous mass free from lumps and of uniform colour. Then dilute with 5-10% of clean water and mix for 1-2 minutes.

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 consumption of 200 g/m² must not be exceeded, as the shiny appearance of the product would compromise the success of the work. Apply the product at temperatures of between $+10^{\circ}\text{C}$ and $+35^{\circ}\text{C}$

CAUTIONS

Do not use if the container is damaged.
Do not use beyond the period indicated on the pot.
Do not dilute with solvents.

TOOL CLEANING

With the product still fresh, clean the tools with water or alcohol. Once hardened, cleaning will only be possible mechanically.

CONSUMPTION

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

PACKAGING

Pack of 6 kg total:

Comp. A: 5 kg

Comp. B: 1 kg

Pack of 18 kg total:

Comp. A: 15 kg

Comp. B: 3 kg

STORAGE

The product, in the original sealed packages, kept in a dry and protected place, at temperatures of between +5°C and +35°C, can be stored for 12 months.

SAFETY REGULATIONS

PRECAUTIONS

For information regarding safety regulations, the user must refer to the most recent Safety Sheet, issued in compliance with the Regulations in force, containing the physical and toxicological information and other information related to the product being used

ECOLOGY

Do not dispose of the product and/or empty containers into the environment. Consult the most recent Safety Sheet for further information regarding any waste disposal.

MIX TECHNICAL DATA:

Data determined at 22±2°C

Characteristic	Regulation	Results
Catalysis ratio	-	100 parts by weight Comp.A 20 part by weight Comp.B
Bulk density	EN ISO 2811-1	1.30 ± 0.05 kg/l
Viscosity	UNI EN 8490	25,000 ± 5,000
Duration in pot	EN ISO 9514	45 minutes
Theoretical consumption	-	150-200 g/m ²
Theoretical thickness	-	60-80 µm
Non-volatile substances	EN ISO 3251	65% by weight

DRYING TIMES:

Hardening at 22°C, 50% R.H.	
Dry to the touch	2 hours
Over-application	Minimum 24 hours to maximum 6 days
Completely hardened	10 days

The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee, as usage, working area and application of the product in accordance with the instructions given and their success in application is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered as a general guideline. If at all in doubt, preliminary tests should be carried out. WINKLER S.r.l. reserves the right to modify and up-date said data sheets without prior notice. Clients are kindly requested to verify that they are in possession of the current edition.