



## DESCRIPTION OF THE PRODUCT

Multi-purpose bonding promoter based on water-dispersion resins and selected aggregates. The product is 100% solvent-free, and therefore is to be considered of very low environmental impact. Formulated by WINKLER Research & Development laboratories.

WINGRIP EVO has obtained the important **EC1 PLUS**, which identifies EMICODE certified products: building products with very low emissions of volatile organic compounds (VOCs) and semi-volatile ones.

## USE FIELDS

WINGRIP EVO can be easily applied in a homogeneous manner on low-wettability and smooth supports (which do not include clutching points) like concrete, wood, metal also oxidizable, gypsum, insulating panels, bricks, brickworks, cellular cement, ceramics and more. Once applied and dried, WINGRIP EVO ensures strong clutching and bonding by means of superficial alteration of both inside and outside for plasters, shavings, recovery mortars or pre-mixed products for covering. In this case it can replace the plaster-holder mesh. In addition, it develops also a slight reinforcement on surfaces subject to skinning and insulating performance for gypsum of slabs in covered gypsum. When applied on pre-existing tiles permits exception clutching to cement glues for later laying of ceramic covering.

WINGRIP EVO can also be applied on an oxidised smooth bitumen membrane, before applying a plaster for the vertical restoration of the protective coating along the bottom of a wall.

## SURFACE PREPARATION

Accurately clean the support to eliminate: dust, crumbly parts, rust, foreign or bonding-proof matters. The application must be done on dry surface. The substrate will not present more than a 5% hidden humidity. Check foundation wet to avoid onset of bubbles due to vapour pressure. The best way to find out if there is any hidden humidity contained in the support, is the application of a polyethylene sheet sealed with duct tape over the surface of the support. Check for water condensation after 24 hours. If there is no condensation water, apply WINGRIP EVO, otherwise, wait for full drying. Apply WINFIX CONCRETE to improve the adhesion of WINGRIP EVO on dusty surfaces

## WARNING

Do not add any additive.

Do not use the product if the packaging is damaged.

Do not add water or solvents.

## PRECAUTION

The product must be applied in environmental conditions suitable to guarantee its full drying as soon as possible. Therefore do not apply the product on frost surfaces or when subject to night chill or with rainy weather.

Do not apply the product on supports with hidden wet.

Wait for 2 hours before applying the second coat or before overlapping cement mixes.

When applied on insulating materials for coating, to replace the plaster-holder mesh, it is suggested to apply a self-bonding mesh between panels. Do not apply plasters or coverings with thickness over 2 cm and a weight of 35kg/m<sup>2</sup>.

## APPLICATION

The product is ready to use. Before starting the application, please mix the product to homogenize it.

It can be applied by roller, paintbrush, large brush, airless gun. Please apply it at temperatures between +5°C and +35°C.

## CONSUMPTION

300 g/m<sup>2</sup> in one coat.

## PACKAGING

5-10-20 kg pails.

## STORAGE

The product in its undamaged packaging can be stored for 12 months. Please store it at temperatures between +5°C and 35 °C. No frost-proof.

## SAFETY INSTRUCTIONS

### PRECAUTIONS

For information about safety, user must refer to the most recent Safety Data Sheet, edited in accordance with the regulations in force, which contains physical, toxic and other data about the product in use.

### ECOLOGY

Do not throughout the product and/or empty containers in the environment. Consult the most recent Safety Data Sheet for further information about disposals.

### TECHNICAL FEATURES (average values)

FEATURES	STANDARDS	RESULTS
Look:	-	Creamy liquid
Colour	-	White-Grey
Specific weight at 20°C	EN ISO 2811-1	1,63 ± 0,02 g/cm <sup>3</sup>
Ph	UNI 8490-4	9 ± 1
Solid content	EN ISO 3251	70 %
Brookfield viscosity at 20°C	UNI EN 8490	1350 + 100 cPs

### PERFORMANCE OF THE PRODUCT IN OPERATION

FEATURES	STANDARDS	RESULTS
Adhesion to the support after 3 days		
Concrete	UNI EN 1542	≥ 2.0 N/mm <sup>2</sup>
Tile		≥ 2.0 N/mm <sup>2</sup> (tile break)
Fibre cement		≥ 1.0 N/mm <sup>2</sup> (Fibre cement delamination)
Metal		≥ 2.0 N/mm <sup>2</sup>
Wood OSB (Not treated)		≥ 1.0 N/mm <sup>2</sup> (Wood delamination)
Smooth bituminous membrane		≥ 0.85 N/mm <sup>2</sup> (Membrane delamination)
Fire reaction	UNI EN 13501-1	Class F

### Volatile Organic Compounds Emission

Parameter	Max. allowed concentration (µg/m <sup>3</sup> )
TVOC after 3 days	≤ 750
TVOC after 28 days	≤ 60

Test performed by the EUROFINs institute according to EN 16516, ISO 16000-3-6-9-11 and ASTM D5116-10, Test report n. 392-2017-00404102\_G\_EN\_02.

### PRODUCT FOR PROFESSIONALS ONLY

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.