



COMPLYING WITH DIRECTIVE

EN 14891
ISO 13007**DM 01 P**LIQUID-APPLIED WATERPROOFING
PRODUCTS FOR USE BENEATH
CERAMIC TILING BONDED WITH

DESCRIPTION OF THE PRODUCT

Bitumen Waterproofing Adhesion promoter based on high quality polymers and selected charges in aqueous dispersion. Such elements convey to the product an exceptional Crack-Bridging resistance and a very high waterproofing power.

WINGRIP BITUMINOSO has obtained the **EC1 PLUS** brand, which identifies EMICODE certified products: construction products with low emissions of volatile organic compounds (VOC) and semi-volatile ones.

CHARACTERISTICS

WINGRIP BITUMINOSO is a very low environmental impact product and it's ready to use.

It has been specifically formulated as bonding agent and for the creation of the waterproofing layer for the setting of ceramics tiles on balconies, showers, bathrooms and swimming pools.

It's easy to apply either on horizontal or vertical surfaces and suitable for overlaying on existing tiles or concrete blocks. It creates an elastic and very hard layer assuring an high adhesion to the cement adhesive. Thanks to its special formulation, WINGRIP BITUMINOSO, doesn't need any kind of reinforcement nor particular adhesives. It is enough using a suitable adhesive.

In case adhesives from WINKLER range should be used, such products are fully covered by the specific insurance policy issued by REALE MUTUA ASSICURAZIONI.

JOCKOL	C1 T (EN 12004)
ROYAL	C2 (EN 12004)
ROYAL SUPER	C2T (EN 12004)
ROYAL SUPER SP	C2T (EN 12004)
ROYAL EXTRA	C2TE (EN 12004)

WINGRIP BITUMINOSO is of fast curing and can be covered after 7 hours after the first application, in suitable weather conditions.

SURFACE PREPARATION

Accurately clean the support to eliminate: dust, crumbly parts, foreign or bondingproof matters. The application must be done on dry surface. Check eventual humidity of the sub-grade, in order to avoid onset of bubbles due to vapour pressure.

The best procedure is the application of a polyethylene sheet sealed by means of bonding tape on the side of the surface exposed to the sun and to check after 24 hours the possible water condensation. In the case of no water condensation, proceed laying of WINGRIP BITUMINOSO, otherwise wait for full drying.

ADVICES

Do not add ANY additive.

Do not use the product if the packaging is damaged.

Do not add water.

APPLICATION

The product is ready to use and can be applied by roller, paintbrush, airless gun. Apply WINGRIP BITUMINOSO in one coat and without using any primer. For corners reinforcement and sealing, it's advisable applying BC SEAL BAND, self-adhesive band covered with non-woven. For waterproofing and sealing around roof penetrations such as drain, ventilation pipes, other roof penetrations or around plumbing pipes and drains, use BC SEAL PAD, self-adhesive butyl square pad. Apply WINGRIP BITUMINOSO in a continuous and homogeneous coat, in order to allow a perfect waterproofing layer.

SURFACES WITH JOINTS

Use WINJOINT BAND, waterproof elastic band made of rubber and polyester fabric, suitable for waterproofing structural joints.

Apply WINJOINT BAND as described below: clean the surface to be treated, apply WINGRIP BITUMINOUS laterally to the joint and to a width that is larger than the joint cover. Apply the joint cover by placing the lateral perforated strip to the area already treated with WINGRIP BITUMINOSO. Once dry, soak it with a further coat of product.

WARNING

Before the application it is advisable restore any eventual irregularity on the surface and paste any eventual detached tile. 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 humidity. Protect the surface during the first 24 hours from water, rain and snow. For vertical applications, it is advisable using covers which do not weigh more than 25 kg/m². Apply the product at temperatures between +5°C and +35°C.

CONSUMPTION IN HORIZONTAL

500 g/m² in overlay on existing floors.

1 kg/m² on cement blocks.

CONSUMPTION IN VERTICAL

400 g/m² in overlay on existing coverings.

800 g/m² on different kind of walls.

PACKAGING

5 – 10 - 20 kg buckets.

STORAGE

The product in its original and undamaged packaging has a shelf time of 12 months. Please store it at temperatures between +5°C and +35 °C.

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 through out 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)
 Notified Lab for N. 0407 test report 323166/9011/CPR
PRODUCT FOR PROFESSIONAL USE ONLY

Appearance:	liquid - cream
Colour:	beown if wet / black once dried
BROOKFIELD VISCOSITY at 20°C (cPs)	2500
Specific Weight at 20°C (g/cm³)	1,15
pH:	10
Solid content:	60%
Tensile Strenght at break (ASTM D 2370) (N/mm²)	0,26
Elongation (ASTM D 2370)	87 %
Water Absorption (ASTM D 471) after 7 days immersion	11%
PERFORMANCES OF PRODUCT IN USE ACCORDING TO EN 14891 and ISO 13007	
Crack-bridging (+23°C)	1,96 mm
Crack-bridging (+5°C)	1,82 mm
Water permeability	No permeability
Tensile adhesion strength (N/mm²) Initial (after 28 days):	
Adhesion to concrete support	≥ 0,85
Adhesion to the support on tile	≥ 1,00
Tensile adhesion strength (N/mm²) after water immersion (after 28 days):	
Adhesion to concrete support	≥ 1,30
Adhesion to the support on tile	≥ 1,05
Tensile adhesion strength (N/mm²) after frost-defrost cycles (after 28 days):	
Adhesion to concrete support	≥ 0,85
Adhesion to the support on tile	≥ 0,70
Adhesion to the support (N/mm²) after thermal shock after 28 days	
Adhesion to concrete support	≥ 0,80
Adhesion to the support on tile	≥ 0,72
Adhesion to the support (N/mm²) after contact with calcium hydroxide after 28 days	
Adhesion to concrete support	≥ 0,86
Adhesion to the support on tile	≥ 0,76

Volatile Organic Compounds Emission

Parameter	Max. allowed concentration (μm^3)
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. 392-2017-00404101_G_EN

The product meets with the Law 2003/53/CE and its prescriptions.

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.