

DESCRIPTION OF THE PRODUCT

One-component liquid pigmented waterproofing, formulated so as to give peculiar characteristics of impermeability, and long-lasting protection for treated substrates. Specially designed to be applied in extreme conditions: low and high temperatures (from 0 ° C to + 45 ° C), damp, very damp or wet substrates. The product remains stable to thermal shocks.

USE FIELD

Cement-based screeds not completely seasoned (ex: 7 days at 15 ° C), concrete substrates, tiled balconies with permanent problems of excess humidity, tiles, metal surfaces in general, wood, brick, fiber-cement, bituminous membranes, oxidized, both smooth and slated. The product, when fully cured, is resistant to wear by even intense pedestrian passage and, thanks to its mechanical resistance, on rigid substrates (concrete and tiles) makes it possible to place chairs and tables. Once applied, after a few hours it is completely out of the rain (refer to the table below).

Once applied, eve after a short period of time, the product is rain-proofed, according to the time table provided.

Rain-Proof Time Table

Temperature of application	Rain-proofed in:
20°C	2 h
15°C	2 h 30 minutes
10°C	3 h
5°C	4 h
0°C	5 h

SURFACE PREPARATION

Thoroughly clean the substrate to be treated to remove: dust, crumbly parts, foreign or non-stick substances. Before applying **ONE**, restore any missing volumes (from 2 to 20 mm), with **PRE-ONE**, a quick-setting premixed product, also applicable at low temperatures (0 ° C) and in case of humidity. After applying **PRE-ONE**, wait at least 12 hours before over-applying **ONE**. For levelling floors with irregularities from 1 to 20 mm, use **WINLIVEL RAPID**, quick-drying self-leveling.

For making a new screed, use **WINPLAN 370**, a quick-drying screed or **WINPLAN PRO**, a quick-drying screed with low water absorption.

TILED SURFACES:

To regularize the volumes of the joints and improve the finish, fill in a single coat with **ONE VERTICAL** (300 g/m²) using a smooth trowel. Wait at least 8 hours before applying **ONE**.

APPLICATION

Prepare the substrate to be treated as described in the paragraph "surface preparation".

Before applying, quickly mix the product. The product is ready to use and does not require a primer. Apply **ONE** with a short-haired roller, flat brush, metal spatula and airless pump (**LARIUS series ZEUS, DRAGON or THOR**). For further specifications, contact **WINKLER technical office**.

After thoroughly cleaning the surface to be treated, apply **ONE** (with a consumption of 400 g/m²) evenly.

Immediately lay **ONE MAT** (90g/m² non-woven reinforcement), by using a spiked roller, and drown it with other 700-900g/ m² of **ONE**. The use of the bubble-breaker roller after the application of the second coat is always recommended.

Wait for the time required for the application of the 2nd coat (see temperature table) and complete the application with the remaining 600-700 g/m² provided.

In case of application over modified bituminous membranes, a period of at least 180 days oxidation is needed.

Curing Temperature Time Table:

Application temperature	Application of 2 nd coat	Walkability (after 2 nd coat)	Tables and chairs placement (after 2 nd coat)
20°C	After 12 h	24 h	36 h
15°C	After 12 h	24 h	36 h
10°C	After 18 h	24 h	48 h
5°C	After 24 h	36 h	60 h
0°C	After 24 h	48 h	72 h

APPLICATION WITH ACCESSORIES

For the correct realization of a waterproof system, apply the self-adhesive band BC SEAL PAD in the perimeter edges of the surface to be treated. For pipes, aerators, etc. use BC SEAL PAD, butyl adhesive square. In case the curing substrate is wet, apply a first coat of **ONE** and, once dried, apply **BC SEAL BAND** and **BC SEAL PAD**.

SURFACES WITH JOINTS

Seal joints up to 1cm wide, using **WINJOINT BAND** (waterproof elastic band, made of rubber and polyester fabric, suitable for waterproofing joints), as described below:

- After making new joints or restoring the existing ones, apply **ONE** laterally to the joint and for a width that is larger than the joint cover.

- Lay the joint cover placing the perforated side strip on the area already treated with **ONE**, that must be wet yet.
- Once dried, soak it with a last coat of **ONE**.

Seal joints more than 1cm in wide, using the system composed by **WINJOINT FOAM** (compressible polyethylene foam backer rod), **WINJOINT SEAL** (polyurethane sealant) and **WINJOINT BAND** as described below:

- After making new joints or restoring the existing ones, enter **WINJOINT FOAM** inside the joint to the desired depth and then extrude **WINJOINT SEAL** through the entire length of the joint. Once the sealant has dried, lay **WINJOINT BAND** as previously described.

WARNING

The product is ready to use so, DO NOT dilute it with water nor solvents.

TOOL MAINTENANCE

Clean tools with denatured ethyl alcohol if the product is still wet. Mechanically remove the product if already dry.

SURFACE CLEANING

If, with aging and use, a cleaning of the surface of **ONE** is needed, use a solution of water and denatured alcohol in a 1: 1 ratio.

CONSUMPTION

1.7-1.9 kg/m² in two coats, with ONE MAT interposed.

PACKAGING

1 kg pails
5 - 20 Kg buckets

COLOR

White-gray-red- terracotta

STORAGE

The product in its intact packaging and stored in a dry and protected place has a stability of 12 months. Store 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 dispose the product and/or empty containers in the environment. Consult the most recent Safety Data Sheet for further information about disposals.

TECHNICAL FEATURES OF WET PRODUCT

Appearance	Fluid paste
Colour	White, grey, red, terracotta
Specific weight at 20°C (g/cm³)	1.40 ± 0.05
Dry content (%)	98 ± 1
Brookfield viscosity at 20°C (Cps)	5,500 ± 200

PERFORMANCE OF THE PRODUCT IN OPERATION

Operating temperature	-30°C + 80°C
Weathering resistance	Excellent
Resistance to U.V. rays	Excellent
Low temperature flexibility (-26°C)	No break
Tensile strength (ASTM D 2370)	1,100 PSI – 7.5 N/mm ²
Elongation at break (ASTM D 2370)	82%
Resistance to negative counter-pressure	4 bar
Resistance to positive pressure	6 bar
Water absorption after 24 h (%)	<0.1
Water absorption after 7 days (%)	<0.5
Permeability class	SD 1 (>0.5 <2)
Resistance to abrasion (TABER) grinder CS17 weight 1000 g per 1000 rounds	Loss in weight (%)= 0.06 (medium walkability)
Slip/Skid resistance of a surface: UNI EN 13036-4 The Pendulum test	PVT value 58
Hail resistance (UNI EN 13583)	(Impact speed: 22 m / sec at 0 ° C)
Rigid substrate	No break
Soft substrate	No break
Application temperatures	From 0°C to +45°C

Adhesion to support

Dynamometer meets UNI EN 1348-2000

Adhesion to support (N/mm²) after 14 days	
CONCRETE¹	≥ 2.76
TILE²	≥ 1.28
Adhesion to support (N/mm²) after 14 days of water immersion	
CONCRETE¹	≥ 2.20
TILE²	≥ 1.08
Adhesion to support (N/mm²) after 14 days of salted water immersion	
CONCRETE¹	≥ 2.00
TILE²	≥ 1.20

Adhesion to support (N/mm²) after 14 days of pH2 water immersion	
CONCRETE¹	≥ 1.84
TILE²	≥ 1.22

Notes:

¹ Concrete delamination

² Tile break

PRODUCT FOR PROFESSIONAL ONLY

Product meets with prescriptions of 2003/53/CE Directive.

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 update said data sheets without prior notice. Clients are kindly requested to verify that they are in possession of the current edition.