

DESCRIPTION OF THE PRODUCT

One-component, coloured, liquid applied, UV-resistant waterproofing membrane, specifically formulated for vertical applications even under extreme conditions: low and high temperatures (from 0°C to +45°C), damp or very wet substrates. The product remains stable to thermal shocks.

USE FIELD

Waterproofing of vertical surfaces as: plaster, concrete, brick, fibre cement, metal and ceramic coatings even those with permanent problems of excess damp. The product becomes rain-proofed, although not fully cured, according to the Rain-Proof Time Table provided.

Rain-Proof Timetable

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

ONE VERTICAL is also used for the regularization of grout lines (up to a depth of 1mm) in tiled floors before laying ONE and ONE FLOORING cycles (see related technical data sheets for application details). In this case, check the following table for waiting time before over-laying the second product:

Timetable for over-laying of ONE and ONE FLOORING:

Temperature of application	Over-laying in:
+20°C	8 h
+15°C	12 h
+10°C	18 h
+5°C	24 h
0°C	24 h

SURFACE PREPARATION

Thoroughly clean the substrate to be treated to remove: dust, crumbly parts, foreign or non-stick substances. Before applying ONE VERTICAL, restore any missing volumes (from 2 to 20 mm), with PRE-ONE, a quick-setting premixed product, also applicable at low temperatures (0°C). After applying PRE-ONE, wait at least 12 hours at +20°C (for other temperatures see the technical data sheet of the product) before over-applying ONE VERTICAL. Follow the instructions contained in the most recent product's TDS. Sand PRE-ONE surface and remove the dust before applying the liquid membranes.

APPLICATION

Before applying, quickly mix the product (manually or with a low-speed drill), until getting a homogeneous mixture. ONE VERTICAL is ready to use and does not require a primer nor protective topcoat. Apply ONE VERTICAL with a short-haired roller, flat brush, metal spatula and airless spray gun (LARIUS series ZEUS, DRAGON or THOR). For further specifications, contact WINKLER technical office.

Apply the product in a single coat, covering the substrate completely with no gaps.

WARNING

Do not use the product if its package is damaged.

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

Use only clean and dry tools. Close the packages immediately after use. High or low storage temperatures may vary the viscosity of the product. To have optimal workability, we recommend storing ONE VERTICAL, at least 24 hours before use, at temperatures close to +20°C.

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 VERTICAL** is needed, use a solution of water and denatured alcohol in a 1:1 ratio.

CONSUMPTION

350 - 400 g/m² in single coat over vertical surfaces.

300 g/m² in one coat, for grouting.

PACKAGING

5 - 20 Kg buckets

COLORS

White, light grey, grey, red, terracotta, green.

STORAGE

The product in its original and unopened 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 INSTRUCTIONSECAUTIONS

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

FEATURES	STANDARDS	RESULTS
Appearance	-	Liquid paste
Colour	-	White, light grey, grey, red, terracotta, green
Density at +20°C	UNI EN ISO 2811-1	1.40 ± 0.05 g/cm ³
Dry content	UNI EN ISO 3251	98 ± 1 %
Brookfield viscosity at +20°C	UNI EN 8490	22,500 ± 1,000 cps

PERFORMANCE OF THE PRODUCT IN OPERATION

FEATURES	STANDARD	RESULTS
Operating temperature	-	-30°C + 80°C
Weathering resistance	-	Excellent
Resistance to U.V. rays	-	Excellent
Low temperature flexibility (-26°C)	ASTMD522	No break
Tensile strength	ASTM D 2370	1,100 PSI – 7.5 N/mm ²
Elongation at breaking point	ASTM D 2370	60%
Elongation at breaking point after 1000 hrs of Accelerated weathering	ASTM D 2370	47%
Resistance to negative pressure	UNI EN 8298-8	4 bar
Resistance to positive pressure	UNI EN 1928	6 bar
Water absorption after 24 h	ASTM D 471	≤ 0.1
Water absorption after 7 days	ASTM D 471	≤ 0.5
Permeability class	UNI EN 1931	SD 1 (>0.5 <1)

Adhesion to support (UNI EN 1542)

Adhesion to support after 14 days	
Concrete ¹	≥ 2,60 N/mm ²
Tile ²	≥ 1,25 N/mm ²
Adhesion to support after 14 days of water immersion	
Concrete ¹	≥ 2,0 N/mm ²
Tile ²	≥ 1,10 N/mm ²
Adhesion to support (N/mm ²) after 14 days of pH2 water immersion	
Concrete ¹	≥ 1,80 N/mm ²
Tile ²	≥ 1,25 N/mm ²
Adhesion on METAL	≥ 2 N/mm ²

Notes:

¹ Concrete delamination

² Tile break

Volatile Organic Compounds Emission

Parameter	Max. allowed concentration (μ/m^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. 392-2018-00451601_G_EN_02

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