



ONE

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ONE

One Hundred Percent Solids Liquid Applied Waterproofing Membrane

DESCRIPTION OF THE PRODUCT

ONE is a single component colored liquid waterproofing membrane, specifically developed for applications under extreme conditions.

USE FIELD

ONE can be used in waterproofing applications such as flat roofs, metal roofs recover, balconies or decks and areas with moisture damages, including those with foot traffic. Product can be applied at low temperatures (0°C or 32°F and rising) and/or over damp or wet substrate surfaces. Apply **ONE** over concrete, green concrete (cured at least 7 days at minimum 15°C), concrete blocks, masonry, fibered-cement boards, ceramic tiled surfaces, asphalt shingles, BUR cap sheets or modified bituminous membranes (oxidized minimum 90 days if smooth), plywood, wood, metal. After complete curing, **ONE** ensures superior waterproofing protection while maintaining resistance to thermal shocks, foot traffic, and, in case of application over hard surfaces such as concrete or floor tiles, to patio furniture.

ONE is a fast curing product that tolerates precipitations in a short period of time after its application. Although not fully cured, the product is rain-proofed, after its application, 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

Clean all substrate surfaces thoroughly to eliminate dirt, dust, and loose materials, any form of oil or grease and foreign or bonding-proof matters. There is no need for the substrate surface to be dry, but ponding water shall be removed prior to the application of **ONE**.

To the best of our knowledge, the information contained in this prospectus are correct and accurate, but every recommendation and suggestion is given without any guarantees, as the using conditions are not under our direct control. It is advisable to always perform some preliminary tests.
Our company reserves the right to modify the products and the content of this document without any warning.
The present edition annuls and replaces any other previous edition.

IN CASE OF DOUBT PLEASE CONSULT OUR TECHNICAL SUPPORT

APPLICATION

After completing the surface preparation proceed with the application of the accessories as required by your project.

Apply **BC SEAL BAND** (Self-Adhesive Butyl Tape) at wall to floor type corners, balcony terminations, around skylights or other alike penetrations. Use **BC SEAL PAD** (Self-Adhesive Butyl Square Pad) around tubes, vent pipes, drains, etc. In case the substrate is damp, first apply a skim coat of **ONE**, prior to the application of any butyl accessory. After the product dries, resume the normal application of the butyl accessories.

Control cuts, contraction and/or most structural joints will be sealed, using the waterproofing elastic band **WINJOINT BAND** as follow:

Ensure the surface to be treated is clean.

- Over the clean substrate apply **ONE** in two stripes 5 cm wide along each side of the joint, without covering the joint line.
- Immediately place **WINJOINT BAND** over the wet stripes of **ONE** (the central part of the band will cover the joint line and the lateral wings of the band will be embedded onto the wet stripes of **ONE**).
- After the product dries, cover the lateral wings of the **WINJOINT BAND** with a skim film of **ONE**.

Before using, stir the product to homogenize. **ONE** is ready to use, does not require primer and can be applied by brush, flat trowel, short haired roller or airless spray gun (please contact our technical support for information).

Apply the product in two approximate equal coats to obtain a homogeneous final collective dry thickness film of 1 mm, corresponding to a collective consumption of approx. 1.5 kg/m² (may increase over rough substrate profile). Allow first coat to rest according to the table below before the application of the second coat.

Curing Temperature Time Table:

Application temperature	Rest time between 1 st coat* and 2 nd coat	2 nd coat* drying time	Walkability after 2 nd coat*	Full curing time after 2 nd coat*
20°C	After 8 h	10 h	18 h	36 h
15°C	After 10 h	10 h	18 h	36 h
10°C	After 12 h	12 h	24 h	48 h
5°C	After 18 h	18 h	36 h	60 h
0°C	After 24 h	24 h	48 h	72 h

*To be understood the completion of application of the respective coat

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Over smooth bituminous membrane, **ONE** is applied at a collective consumption rate of 1.7 kg/m² (no rest time) with **WITECHNO MAT** (Polyester Reinforcement Mat) embedded as follow:

- Over the clean substrate apply a base layer of **ONE** at a rate of 0.7 kg/m² or 1.2 Gal/SQ (approximately 40% of the collective consumption of 1.7 kg/m² or 3 Gal/SQ)
- Immediately embed **WITECHNO MAT** onto the wet base layer of **ONE**. Press the mat, from the center to left and from center to the right. Ensure that are no voids or wrinkles on the mat.
- Complete the application, by applying the top layer of **ONE** at a rate of 1 kg/m² or 1.8 Gal/SQ (corresponding to the remaining 60% of the collective consumption of 1.7 kg/m² or 3 Gal/SQ)

WARNING

DO NOT dilute. Not frost-proof.

Consumption of material is affected by various factors, such as: substrate profile porosity, waste, etc. Contractor shall take in consideration all such factors when estimating the necessary of material, as consumption values included herein do not take in consideration these factors.

TOOL MAINTENANCE

In case of wet product, clean the tools with denatured ethyl alcohol.
With dried product, removed it mechanically.

SURFACE CLEANING

Remove unwanted drops with a neutral cleanser.

CONSUMPTION

- Without **WITECHNO MAT**: 1,5 kg/m² collective consumption, corresponding to final dry thickness of 1 mm
- With **WITECHNO MAT** reinforcement: 1,7 kg/m² collective consumption above and below **WITECHNO MAT**.

PACKAGING

1 kg pail – 1 box = 15 pcs
5 - 20 Kg pail

STORAGE

The product in its undamaged packaging can be store for 12 months. No frost-proof.
Store at temperatures between +5°C e +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, brick red
Specific weight at 20°C (g/cm³)	1,40 ± 0,05
Dry content (%)	98 ± 1
Brookfield viscosity at 20°C (Cps)	5500 ± 200

PERFORMANCE OF THE PRODUCT IN OPERATION

Operating temperature	-30°C + 80°C (-22°F to 176°F)
Weathering resistance	Excellent
Resistance to U.V. rays	Excellent
Low temperature flexibility (+26°C)	No break
Tensile strength (ASTM D 2370)	1100 PSI - 7,5 N/mm ²
Elongation at break (ASTM D 2730)	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)
Application temperatures	From 0°C to +45°C (32°F to 113°F)

Adhesion to support

Dynamometer meets UNI EN 1348-2000

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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.