

COMPLYING WITH THE UE RULE

UNI EN 1504-2 (C)

PI-MC-IR

CONCRETE SURFACES
PROTECTION SYSTEMS

DESCRIPTION

Cementitious waterproofing premixed, anti-shrink mortar with selected inerts, in perfect granulometric curve. Its special additives and very thin charges allow that, using the water contained into the support as a vehicle, an insoluble crystallization is created, aiding the occlusion of porosities, which prevent the water passage maintaining a good transpirability, formulated by WINKLER R&D laboratories.

USES

The product offers great workability and it is resistant also to counterthrust. So it is used for waterproofing earthward walls, basins, tanks, channels, cellars, garages, lift wells and tanks for containing not-drinking water. It is also applied as finishing coat on surfaces treated with BLOCKWATER.

SUBSTRATES PREPARATION

Clean carefully the support in order to remove: salts, dust, crumbly parts, unknown or anti-adhesive substances. Soak the support with water before application.

WARNING

No additives nor cement required.
Do not use if the container is damaged.
Do not add water when the mixture starts to harden.
Do not apply on asphalt or bitumen treated surfaces.

APPLICATION

Mix with 7.2-7.4lt of clean water until getting a homogeneous mixture free from lumps. The product can be applied with brush or spatula. Soak the support with water before application. On powdery substrates it is advised the preventive application of WINFIX CONCRETE.

USEFUL ADVICES

As every cementitious product, WF01-OSMOWIN creates a rigid covering that, during the settlements of the support, can cause cracks and leaks, with consequent loss of waterproofing performances. In order to give more elasticity to the support, it is advisable adding ADEGUM LATEX as follows: 3 parts WF01-OSMOWIN and 1 part ADEGUM-LATEX reducing consequently the mixture water. apply between +5°C and +35°C.

CONSUMPTION

1.8 kg/m² per mm thickness.
For small seepages 2-3kg/m² in one coat.
In presence water 4-4.5kg/m² in two coats.
With pressure until 1 atm 6-7kg/m² in two coats.

PACKAGING

25 kg bags – 60 bags per pallet.

STORAGE

The product if properly packed and stored in a cool dry place, has a 12 months stability. Store 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 DATA (average values)

WF01 - OSMOWIN meets the principles delineated in ENV 1504-9 ("Products and systems for protection and reparation of concrete structures: definitions, requirements, quality control and conformity valuation. General principles for usage of products and systems.") and the minimal requirements requested by EN 1504-2 covering (C) according to PI-MC and IR principles ("Concrete surface protection systems").

| | |
|---|------------------------------------|
| Max diameter aggregate particles: | 0.35 mm |
| Aspect: | powder |
| Color: | grey / white |
| Water for mixture per 25 kg bag: | Min. 7.20 litres, max. 7.40 litres |
| Mixture duration: | 60 minutes |
| Mixture volume mass (kg/m ³) | 1700 |
| Compressive resistance after 28 days (EN 1015-11) | 24 N/mm ² |
| Flexural resistance after 28 days (EN 1015-11) | 5 N/mm ² |

PRODUCT PERFORMANCES ACCORDING TO UNI EN 1504-2

| | |
|---|---|
| CO ₂ permeability (UNI EN 1062-6) | $S_D > 50m$ |
| Water vapor permeability (UNI EN 7783) | $S_D < 5m$ Class I (low permeability) |
| Capillary absorption and water permeability (UNI EN 1062-3) | $W < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$ |
| Direct adherence on concrete (UNI EN 1542) | $> 2 \text{ N/mm}^2$ |
| Fire reaction (UNI EN 13501-1) | Class A1 |
| Chloride ions content | $\leq 0.05 \%$ |

Volatile Organic Compounds Emission

| Parameter | Max. allowed concentration ($\mu\text{/m}^3$) |
|--------------------|---|
| 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. 392-2018-00081401_G_EN.

PRODUCT FOR PROFESSIONAL ONLY

Product complying 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.