

MEETS THE EU REGULATION

UNI EN 1504-2(H)

STANDARDS

**PI-MC-IR**

CONCRETE SURFACE PROTECTION SYSTEMS

## DESCRIPTION OF THE PRODUCT

Developed by WINKLER R. & D. Laboratory, SKERMO TERRAZZE is a solvent-free, not film-forming, transparent, penetrating waterproofing product, based on organic silicon derivatives.

## USE FIELDS

SKERMO TERRAZZE is 100% active substance. Its low molecular weight allows a deep penetration into the substrate guaranteeing a long-lasting durability throughout time (at least 10 years). It is intended to be used on horizontal and vertical applications in places that require a long lasting water-repellent protective treatment of the substrate over which is applied. SKERMO TERRAZZE can be applied over substrates such as: ceramic floors, earthenware tiles, clinker, gres, terracotta, bricks, plasters, mortar, plasters and concrete walls. Common applications are balconies or terraces, exposed architectural concrete or masonry work, other concrete structures, etc. SKERMO TERRAZZE has excellent stability to alkaline pH. Application of SKERMO TERRAZZE over reinforced concrete in marine areas will impede chlorides from penetrating the concrete, protecting against rebar corrosion and surface spalling caused by salts or freeze-thaw cycles. SKERMO TERRAZZE does not create surface pellicle and does not alter the breathability of the substrate. Its hydrophobic action prevents the emerging of efflorescence, inhibits the growth of moss, algae, lichens, bacterium, etc. which all represent a serious problem for the durability of the structure and for the building well-being. The application of SKERMO TERRAZZE does not affect original colour of the substrate surface over which is applied. During rain, the treated surface will not appear wet, maintaining its original colour tonality. Surfaces treated with SKERMO TERRAZZE are better protected against dust and atmospheric pollution in general.

## SURFACES PREPARATION

Clean substrate surface thoroughly in order to eliminate dirt, dust, loose materials or crumbling parts, any form of oil or grease. Remove any eventual spots shown on tiles by using a neutral detergent. Restore any damaged grout line by using WINSTUCCO FLEX THIN (for grout lines until 2 mm wide) or WINSTUCCO FLEX MEDIUM (for grout lines from 2mm to 12mm wide). Apply the product on dry or slightly damp surface, not wet.

### **WARNING**

Do not add water or additives.  
Do not use when the container is damaged.

### **APPLICATION**

Apply **SKERMO TERRAZZE** by roller or pasting brush on the overall tiled surface insisting over the grout area for complete drenching. 15 minutes after the application remove eventual traces of product using a clean rag. Protect from water for at least 18 hours after the product is applied. After such period, the treated surface is walkable again.

### **USEFUL ADVICES**

Apply the product in conditions that allow curing in the fastest time possible. So, do not apply the product on frost surfaces, subject to night chill or if rainy weather is forecasted. Moreover do not apply on warmed up surfaces or directly exposed to U.V. rays. Before proceeding with the application at full scale, we strongly recommend performing a preliminary mock-up application on a small portion of the substrate, in order to observe the colour/chromatic stability of the surface. Protect from water for at least 18 hours after the product is applied. Apply at temperatures between +5°C and +35°C.

### **CONSUMPTION**

On tiled surfaces 15m<sup>2</sup> / litre.  
On concrete walls 5m<sup>2</sup> / litre.

### **PACKAGING**

1 L bottle  
5 L bucket

### **STORAGE**

The product, kept in its unopened and undamaged packaging, has 18 months shelf life. Store between +5°C and +35°C.

## SAFETY INSTRUCTION

### PRECAUTIONS

To get information on security regulations, the product user needs to refer to the most recent Safety Data Sheet, write up according to the existing rules, including physical and toxicological data, as well as other data relating to the product in use.

### ECOLOGY

Do not release into the environment neither the product nor empty containers. Examine the most recent Safety Data Sheet for more information regarding eventual disposal.

### TECHNICAL DATA (average values)

Colour in liquid state	From colourless to straw yellow
Colour when dried	Transparent
Aspect	Liquid
Density at 20°C	0.89 g/cm <sup>3</sup>
pH	7.5

### PRODUCT PERFORMANCES ACCORDING TO UNI EN 1504-2

Depth of penetration on concrete specimen	≥ 10mm (Class II)
Water absorption and alkali resistance (UNI EN 13580): - Absorption ratio with respect to the untreated specimen - Absorption ratio, after immersion in an alkali solution	< 7.5% < 10%
Drying speed (UNI EN 13579)	> 30% (Class I)

### PRODUCT FOR PROFESSIONALS 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 up-date said data sheets without prior notice. Clients are kindly requested to verify that they are in possession of the current edition.