



RESINS FOR BUILDING

**ISOLRESINE**  
E D I L I Z I E

# CEMINSOL



**WATERPROOFING REINFORCED  
CONCRETE**



A 3D rendering of a white bucket of Isolresine Edilizie Ceminsol paint. The bucket has a blue logo of a stylized figure and a blue band around its middle. A paint roller with a white roller and a blue handle, and a paintbrush with a blue handle, are leaning against the bucket. The background is dark with a geometric pattern.

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**CEMINSOL**

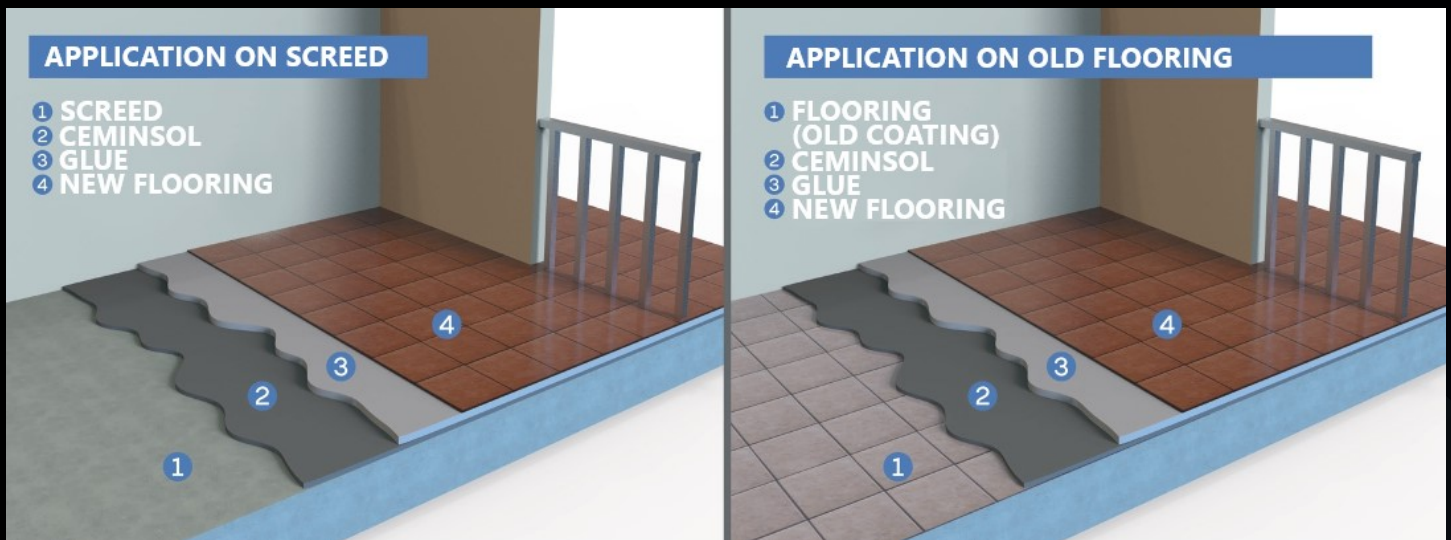
[www.isolresine.it](http://www.isolresine.it) - C.da Votano, Capurso BA

# CEMINSOL EN 14891

## WATER BASED WATERPROOFING SYSTEM APPLIED CEMENT LIQUID

CEMINSOL is a composite waterproofing system of concrete surfaces, certified according to UNI EN 14891 standard in accordance with REGULATION (EU) N. 305/ 2011, for subsequent installation of floors or coverings under ceramic tiles, glued with an adhesive complying with EN 12004 standard.

It is made up of acrylic polyurethane resins solvent free in watery based, mixed with cement and with interposed glass fabric of specific weight. It is used on horizontal, vertical and oblique surfaces in order to create a membrane waterproof and tileable. Its high elasticity guarantees an excellent resistance to stresses, due to dilations of both mechanical and thermal nature.



Designed to be paved.

It is applies to : terraces, solar panels and external walls tanks, flower boxes, gutters, etc.

CEMINSOL is supplied in single components ready to use such as to allow a quick application by roller and/ or brush installation satisfying the application need of the site.

The application on the joisted floors can also be carried out without the demolition of the existing support and in the presence of materials such as mix concrete, stoneware, marble grit bricks, ceramic.



**GREY TOP  
PACKAGE 10 KG**



**WHITE TOP  
PACKAGE 5 KG**

## APPLICATIONS: PREPARATION OF THE SUBFLOOR



### CONCRETE (UNI EN 14891)

To clean carefully the support, removing any inconsistent part, or material that can cause a low adhesion using a single brush with abrasive disc. If it is very rough, it will be necessary to prepare the surface to be treated doing a shaving with RESINGUM BONDER product mixed with cement, before the application of ISOLFIX primer.



### STONEWARE, SINGLE FIRE, GLASS AND MATERIALS WITH LOW ABSORPTION

To verify and restore the possible non-adherence of tiles or the support material. To carry out a cleaning of the base and to apply a coat of ISOLFIX primer.



### DILATION JOINTS

To make a careful cleaning of the joints with the possible removal of the old material. To grout the joints cleaned with RESINGUM GIUNTO product, taking care to create a central omega using on oval brush, slightly wet.

\* SEE PRODUCT DESCRIPTION

# INSTALLATION METHOD

## LAYING MODE IN OPERATION

Preparation of subfloor ;  
 Preparation of a resin: Ceminsol plus cement ( ratio 1: 0,3)  
 Preparation of the primer: Ceminsol plus water ( ratio 1:4)  
 Primer application on the subfloor by roller and/ or brush  
 Drying: about 2 hours with relative moisture  $50 \pm 5 \% e 23 \pm 1^{\circ} C$



## REINFORCEMENT APPLICATION : fibreglass fabric MATT 300

1. Flat surfaces ( floors and walls): unrolling and laying of a layer of a tissue;
2. Edges or angles ( for exammple lapels or rain portals);
3. Cut of the tissue into wide bands of 25:30 cm for the lapels, or in hoc measurements for the corners and/ or edges;
4. Laying of a tissue layer of about 15:20 on the vertical surface and about 10 cm on the horizontal one. 5.Laying of a fibreglass fabric layer on a horizontal surface with an overlap of about 5 cm on the one previously laid for the lapel or corners/ edges.

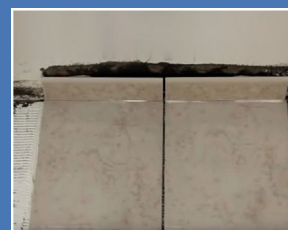


## IMPREGNATION

Application of a resin layer, premixed with cement, by roller and/ or brush;  
 Drying: about 24 hours with relative moisture  $50 \pm 5 \% 23 \pm 2^{\circ} C$ .

## FINISH

1. Laying of resin first layer, premixed with cement, by roller and/or brush . Drying: about 24 hours with relative humidity  $50 \pm 5 \% 23 \pm 2^{\circ} C$ ;
2. Laying of resin second layer, premixed with cement by roller and/or brush. Drying: about 24 hours with relative humidity  $50 \pm 5 \% 23 \pm 2^{\circ} C$ ;
3. Installation of the new flooring after 7 days from the application of the Ceminsol system, using an adhesive complying with EN 12004.



## CONSUMPTION PER SQUARE METRE

	IMPREGNATION	FINISH
CEMINSOL	0,75 kg m <sup>2</sup>	0,24 Kg m <sup>2</sup>
CEMENT	0,25 kg m <sup>2</sup>	0,08 Kg m <sup>2</sup>
FIBREGLASS FABRIC	0,30 kg m <sup>2</sup> (1,00 m)	
Consumption can vary depending on the absorption of the support		



# PERFORMANCE CHARACTERISTICS

## EN 14891 Water based waterproofing system applied cement liquid CM

Essential characteristics	Performance	Harmonised technical specification
Adhesion to initial traction	$\geq 0.5 \text{ N/mm}^2$	A.6.2
Traction adhesion after immersion in water	$\geq 0.5 \text{ N/mm}^2$	A.6.3
Traction adhesion after thermal ageing	$\geq 0.5 \text{ N/mm}^2$	A.6.5
Traction adhesion after cycle frost / thaw	$\geq 0.5 \text{ N/mm}^2$	A.6.6
Traction adhesion after contact with lime saturated water	$\geq 0.5 \text{ N/mm}^2$	A.6.9
Impermeability to water	no penetration	A.7
Capability of crack bridging in standard conditions	$\geq 0.75 \text{ N/mm}^2$	A.8.2
Dangerous substances	see SDS	

14891

### SECURITY INDICATIONS

For complete information on the safety of components of the system and its correct use, refers to the relevant SAFETY DATA SHEETS. During the installation to wear gloves, protective glasses, masks and safety shoes, in addition to the standard for handling chemicals. In case of skin or eye contact, to wash immediately with plenty of water and to contact your doctor.

### ITEM OF SPECIFICATIONS

Supply and installation of CEMINSOL waterproofing system of ISOLRESINE EDILIZIE, conforming to EN 14891 standard, in operation at any height, composed of a mixture of acrylicpolyurethane resins fibrous reinforced with interposed glass fabric. The waterproofing system is realized by the processing of acrylicpolyurethane resins based on water and cement, with the impregnation of glass fabric, laid in place by roller or brush on horizontal surfaces, vertical and inclined smooth or rustic, with consumptions not less than 1 kg/ m (CEMINSOL), 0,33 kg/m (cement) and 0,30 kg /m (MATT 300 fibre glass). The application must be carried out on a dry and clean support and prepared according to the specifications of the data sheet to be calculated separately.

### GENERAL ADVICE

Before the application of CEMINSOL system is important to make sure that the subfloor is dry and compact and unpolluted by oil, fats or other inconsistent parts, that can cause detachment and / or bubble formation compromising the waterproofing's success. Also to evaluate carefully the total drying of the restorations or the total plaster remakes to avoid swelling due to the moisture of the support. It is recommended to prepare moisture exhalers on water-impregnated screeds( at least one in 15/20m2).

Do not apply the product in case of rain. At the installation stage to consider that a high moisture content (> 75% UR) slows the drying of the product and that rain, ice or snow can drain the product if it is not perfectly dry. Do not apply the product directly to lighted on subfloor or thermal insulating panels.

The indications given in this text, even if dictated and derived from our research, analysis and experience, are to be considered only indicative. It disclaims any liability for improper use of the product. For information, application and/ or different uses, to contact our technical office.



**ISOLRESINE EDILIZIE**  
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EN 14891:2017

Water based waterproofing product applied cement liquid  
for installation of floors or coverings under ceramic tiles,  
glued with an adhesive complying with EN 12004 standard

**Adhesion to traction:**

initial	$\geq 0.5 \text{ N/mm}^2$
after immersion in water	$\geq 0.5 \text{ N/mm}^2$
after thermal ageing	$\geq 0.5 \text{ N/mm}^2$
after cycle frost / thaw	$\geq 0.5 \text{ N/mm}^2$
after contact with lime saturated water	$\geq 0.5 \text{ N/mm}^2$

Impermeability to water	no penetration
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Capability of crack bridging in standard conditions	$\geq 0.75 \text{ N/mm}^2$
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Dangerous substances	see SDS
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