



CIVITANOVA MARCHE(MC) - ITALY

Technical specifications

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Review n° 1

FLUID STRAW

brand: **MARMOLIT**

A. DESCRIPTION OF THE PREPARATION

The fluid straw glue is a compound made of unsaturated polyester modified resin, dissolved in monomer styrene, to which is added an unsaturated polyester orthophthalic modified resin, condensed with standard glycol and pre-accelerated with hardener.

The preparation has good characteristics of chemical mechanical resistance, brightness and stability after hardening.

The fluid straw glue is used for stuccoing and gluing of marble slabs, stones, agglomerated, travertine and so on... It can also be diluted with monomer styrene (5% - 10% in weight in the compound) in order to improve the spreading and impregnation on the marble surface.

Further quantity of styrene can be added only upon a trial application, since some characteristics of the of the preparation can be affected.

Colouring pastes or similar pigments slightly affecting the colour toning of the preparation can also be added.

B. TECHNICAL NOTES

CHARACTERISTICS OF PRODUCT		Standard method
Aspect of product	Solid colour straw yellow	--
Content styrene	18 - 19%	GC-MS
Viscosity (to 25°C)	> 2600 mPa*s ⁻¹	ASTM D 2515
Density(to 23°C)	Not available	IRSACNR/64/PT3
Acid value	6,4 mgKOH/gr	ASTM D 2849
Residual to dry 105°C	87,1%	IRSACNR/64/PT241
Flash point	30°C	ASTM D 93

C. PREPARATION OF THE SURFACE

Hardening catalysis

The fluid straw glue hardens by adding benzoyl peroxide paste in a 50% ratio at a room temperature between 10° and 40°C. As an alternative, MEKP catalyser is available in order to improve the hardening time and speed up the working process, we suggest to add an accelerator A 150, previously checking eventual variations in colour.

The surface to be treated has to be perfectly dry and free from dust and grease.

D. WARNINGS

Application of the catalyst

We suggest to use the catalyser in a 2% ratio for a proper hardening; anyway quantity can vary according to the conditions of use. Do not use quantities of catalyst which are lower than 1% or higher than 3%.

Storage

Tins should be tightly sealed and stored in a cool, dry area.

Life of the product

If kept in its original, sealed container, at an ambient temperature of 25 °C, the product has a shelf-life of twelve months.

E. FIELD OF USE

The preparation can be used for:

- **REINFORCING AND GLUING** marble slabs and tiles and natural stones;
- **STUCCOING** any type of marble slabs and manufactured articles and natural stones;
- **CHEMICAL ANCHORING** if charged with quartz.

F. WORKING DATA



1-3% hardener in White paste at a 50%. Time of gel >4' to 22°C.



Application by spatula or small blade.



< 30' to 22°C.



5'-6' to 1 mt

G. SAFETY INFORMATION

See the safety specifications of the product.

H. ONLY FOR PROFESSIONAL USE

Always test the product before use.

Technical information and suggestions are based on our experiences. We guarantee a high quality product. However, we are not responsible for results obtained when the product is used under conditions beyond our control.

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