

## TECHNICAL DATA SHEET (TDS)

# MASTIC ASTRA 24 K

ID Product Code 009

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## SUPER TRANSPARENT POLYESTER MASTIC

Liquid and knife grade transparent mastic for marble & stones



### Product description:

Super transparent two-component mastic for the gluing and filling of marble and stone. Its good adhesive power and unbeatable transparency makes ASTRA 24K an indispensable product for marble and light colored stones whereas the transparency is a particular necessity. Typical example is the filling of Travertino: ASTRA 24 K creates a “glass effect”, so it is possible to see in depth the characteristic holes.

ASTRA 24 K is insensitive to most of normally used chemicals such as oils, fats, detergents, solvents, etc. Available in both liquid version for grouting and solid version as adhesive.

### Chemical characteristics:

#### ASTRA S4 K

LIQUID for FILLING		SOLID (KNIFE GRADE) for VERTICAL	
Appearance	Flowing	Appearance	Semidense paste
Color	Colorless transparent	Color	Colorless transparent
Odor	Characteristic	Odor	Characteristic
Specific gravity at 20° C (68° F)	1,12 ± 0,01	Specific gravity at 20° C (68° F)	1,12 ± 0,01
Hydro-solubility	Not soluble	Hydro-solubility	Not soluble
pH	N.D.	pH	N.D.
Resistance to Traction (*): MPa	65 ± 2,4 DIN 53445	Resistance to Traction (*): MPa	70 DIN 53445
Resistance to Flexion (*): MPa	100 ± 6,5 DIN 53452	Resistance to Flexion (*): MPa	105 DIN 53452
Catalysis ratio	2% in weight	Catalysis ratio	2% in weight
Gel time	20-30 minutes	Gel time	20-30 minutes

Storage at 20 ° C away from heat, moisture, sunlight: 12 months in original packaging

(\*)indicative values relating to the hardened resin object of laboratory tests

### Instruction for use

**ASTRA 24 K LIQUID:** The parts to be bonded or filled must be clean, completely dry and free of dust. Add the liquid catalyst to putty 2% by weight, mix thoroughly until a homogeneous mass is obtained and apply on horizontal flat surfaces, by spreading with a brush or spatula or by pouring then spreading with a spatula. For material with very open porosities, it is advisable to proceed with a second application, after about an hour after the first. Once cured, the mastic can be sanded and polished after about three hours (20°C).

**ASTRA 24K SOLID:** The parts to be bonded or filled must be clean, completely dry and free of dust. Add the liquid catalyst to putty 2% by weight, mix thoroughly until a homogeneous mass is obtained and apply by trowel on horizontal or vertical flat surfaces. Once cured, the mastic can be sanded and polished after about three hours (20°C).

The temperature has very influence on hardening: it is not recommended the application below 15°C (see Tech Sheet of Hardeners for further info).



Tutti i dati contenuti nella presente letteratura sono risultati da accurati esperimenti ed esperienze eseguiti nei nostri laboratori e presso qualificati operatori del settore lapideo, sono pertanto da ritenersi attendibili. Dato però il gran numero di fattori che possono influenzarli, le informazioni fin qui riportate non comportano garanzie implicite o formali. L'utilizzatore si assume la responsabilità per l'utilizzo del prodotto avendo cura di sperimentarne preventivamente le caratteristiche. La casa si riserva il diritto di apportare modifiche ai prodotti illustrati in questo scheda, in qualunque momento senza l'obbligo di preavviso. Le foto riprodotte sono indicative per le inevitabili differenze dovute alla riproduzione tipografica.



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### Suggestion for use and recommendations:

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- The use of 3% higher catalyst reduces the adhesiveness of the product. Also it reduces the workability time and can cause a color change.
- Never catalyze a whole can of putty in a time to prevent the mass effect which accelerates the hardening of the product.
- The polyester resins can be used outside, however, due to numerous factors (moisture, temperature changes, frost and thaw cycles) may lose their mechanical and chemical characteristics.
- The use of catalyst lower than 2% and / or low temperatures (below 15°C) retards the curing of the product.
- The temperature is a very important variable in the use of thermosetting products such as polyester putty; it acts in a manner inversely proportional to hardening of the product. For more information check the technical specifications of the catalyst.
- In case it is desired to pigment the mastic, to add the dye to reach the desired hue and then add the catalyst.
- The use of dye in 2% higher dough affect the adhesiveness of the product.
- The product after being mixed with the catalyst, can be worked for a maximum period of between 3 and 15 minutes (20°C).
- The treated material can be handled after 20 minutes after grouting.
- Before use read the recommendations printed on the label and always carry out a preliminary test.

### Application surfaces

Marble, granite, terrazzo, stones, cement.

### Safety procedures

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place. MSDS is available on our web site [www.bellinzoni.com](http://www.bellinzoni.com)

### Packing

Item N°	Packing	Catalyzer	Pieces for cardboard
009MASL0140	1 Kg.	20 gr	6
009MASL04750	4 Kg.	100 gr	2
009MASL17	18 Kg.	400 gr	1
009MASV01040	1 Kg.	20 gr	9
009MASV04750	4 Kg.	150 gr	2
009MASV20	18 Kg.	500 gr.	1

The tins are in Steel (ACC) after use will have to be recycled according to the regulations on waste disposal. The packages are approved under U.N. directives rules for inland transport (ADR) and by sea (IMO) for transportation via air refer to local regulations (IATA). For further information regarding transport please check MSDS.

### Trademark and Origin of the good

BELLINZONI® is a registered trademark of Bellinzoni company. The law considers a trademark to be a form of property and any misuse can be persecuted by law. Bellinzoni s.r.l. declares that our product MASTICE ASTRA 24K is MADE IN ITALY.

### Interactive video



utti i dati contenuti nella presente letteratura sono risultati da accurati esperimenti ed esperienze eseguiti nei nostri laboratori e presso qualificati operatori del settore lapideo, sono pertanto da ritenersi attendibili. Dato però il gran numero di fattori che possono influenzarli, le informazioni fin qui riportate non comportano garanzie implicite o formali. L'utilizzatore si assume la responsabilità per l'utilizzo del prodotto avendo cura di sperimentarne preventivamente le caratteristiche. La casa si riserva il diritto di apportare modifiche ai prodotti illustrati in questo scheda, in qualunque momento senza l'obbligo di preavviso. Le foto riprodotte sono indicative per le inevitabili differenze dovute alla riproduzione tipografica.



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