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Rev. 09/2016

TECHNICAL DATA SHEET (TDS)



MASTICE 2000

ID Product Code 009

TWO COMPONENT POLYESTER MASTIC

Mastic for marble & stones

Ташев-Галвинг ООД
www.tashev-galving.com

Product description:

Two pack mastic for marble and stone, based of unsatured polyester resins. It hardens quickly after adding its hardener. It has good adhesive power and it is perfectly transparent and thanks to its fluidity, it penetrates into the hollowness and porosity of the stone. After hardening, it can be worked as the stone. It can be coloured by using Bellinzoni colour paste tubes and colour oxide powders. It is resistant to most of the chemicals such as oils, fats, detergents, solvents, etc

Chemical characteristics:

COLOURED

SOLID for VERTICAL		LIQUID for FILLING	
Appearance	Tixotropic Paste	Appearance	Flowing
Color	See color chart	Color	See color chart
Odor	Characteristic	Odor	Characteristic
Specific gravity at 20° C (68° F)	1,65 ± 0,01	Specific gravity at 20° C (68° F)	1,76 ± 0,01
Hydro-solubility	Not soluble	Hydro-solubility	Not soluble
pH	N.D.	pH	N.D.
Resistance to Tension ASTM D 638 (*):		**Resistance to Tension ASTM D 638 (*):**	
Tensile modulus	MPa 6950 ± 768	Tensile modulus	MPa 5200 ± 479
Tension at break	MPa 26.6 ± 1.7	Tension at break	MPa 32.5 ± 2,1
Deformation at break	0,4 ± 0,1 %	Deformation at break	0,6 ± 0,1 %
Resistance to Flexion ASTM D 790 (*):		**Resistance to Flexion ASTM D 790 (*):**	
Tensile modulus	MPa 7580 ± 150	Tensile modulus	MPa 6300 ± 320
Tension at break	MPa 54,4±3,4	Tension at break	MPa 54,5±4,5
Deformation at break	0,9±0,1 %	Deformation at break	1,1±0,1 %
Catalisys ratio	2-3% in weight	Catalisys ratio	2-3% in weight
Gel time	20-30 minutes	Gel time	20-30 minutes

Storage at 20 ° C away from heat, moisture, sunlight 24 months in original packaging

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TRASPARENT

SOLID for VERTICAL		LIQUID for FILLING	
Appearance	Tixotropic paste	Appearance	Liquid
Color	Transparent	Color	Transparent
Odor	Characteristic	Odor	Characteristic
Specific gravity at 20° C (68° F)	1,10 ± 0,01	Specific gravity at 20° C (68° F)	1,10 ± 0,01
Hydro-solubility	Not soluble	Hydro-solubility	Not soluble
pH	N.D.	pH	N.D.
Resistance to Tension ASTM D 638 (*):		Resistance to Tension ASTM D 638 (*):	
Tensile modulus	MPa 2600 ± 323	Tensile modulus	MPa 2400 ± 359
Tension at break	MPa 29,6 ± 2,0	Tension at break	MPa 33.5 ± 2,0
Deformation at break	1,9 ± 0,1 %	Deformation at break	1,9 ± 0,1 %
Resistance to Flexion ASTM D 790 (*):		**Resistance to Flexion ASTM D 790 (*):**	
Tensile modulus	MPa 2570 ± 74	Tensile modulus	MPa 2570 ± 74
Tension at break	MPa 69,5±7,8	Tension at break	MPa 67,5±7,2
Deformation at break	3,3±0,5 %	Deformation at break	3,4±0,1 %
Catalisys ratio	2-3% in weight	Catalisys ratio	2-3% in weight
Gel time	20-30 minutes	Gel time	20-30 minutes
Storage at 20 ° C away from heat, moisture, sunlight 24 months in original packaging			

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

Colors available



The colors represented on this sheet are approximate and differ from the originals being a digital image.

Instruction for use

The area to be glued or filled must be clean, perfectly dry and dust free. Add 2% of paste hardener in weight to the mastic, mix thoroughly until a homogeneous mass is obtained and apply with a spatula on horizontal or vertical surface. In cold season, it is possible to increase quantity of hardener up to 3%. Once hardened after a couple of hours, the mastic can be grinded and polished. For materials with porosity or very big holes (Travertine) we suggest to make a second application.

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Suggestion for use and recommendations:

- The use of 4% 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 1% and / or low temperatures (below 5 ° 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 stucco 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, agglomerated and engineered stones, sandstone, limestone, resin marble, concrete

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

Packing

Item N°	Packing	Catalyzer	Pieces for cardboard
009M____0350	125 ml	8 gr	18
009M____1600	1,40 kg	40 gr	9
009___07	6,0 kg	180 gr	2
009___28	25,00 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 2000 is MADE IN ITALY.

Interactive video

Tallev-Galving OOO
www.tashev-galving.com

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