



a d e s i v i

## TECHNICAL DATA SHEET



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### PRODUCT

BLU FIBERGLASS styrene-free (C4123)

### CHARACTERISTICS

Two-component filler composed of high-boiling acrylic, methacrylic solvents and quick drying unsaturated polyester resins with high-concentration of fiberglass. The BLU FIBERGLASS filler respects the maximum content of volatile organic required by D.L. 161 of 27/03/2006 and European Directive 1004/42 / EC (max 250 g / l). Great for all carbody works, for the reconstruction of the missing parts for cars and plastic, such as bumpers, fiberglass, etc. Applicable with putty knife with good adhesion and excellent sanding. It is possible to varnish it directly with every kind of product. The new formula is completely odorless and can be applied on metal sheet, new galvanized sheets, stainless steel, wood and even directly on polystyrene.

### TECHNICAL DATA

Specific weight	1470 ± 20 g/l	(MI 001)
V.O.C.	30 ± 2 g/l	(ASTM D2369)
Viscosity	1000 ± 50 Pas	(MI 002B; 25°C)
Consistency	840 ± 50 Pas	(MI 002B; 25°C)
Colour	Green	

### STORAGE

Keep the container well closed and stored in a cool (temperature below 25°C) and ventilated environment for a maximum period of 12 months from the date of production marked on the tin. Avoid direct sun exposure.

### SAFETY RULES

Make sure the room is well-aired during the application and drying process. Appropriate PPE must be used during the application of the product. Read the safety data sheet carefully before using the product.

### APPLICATION

- Check that the surfaces to be filled are perfectly dry and clean. When applying on metal sheet, sand it down using P 80 and P 150 grit sandpaper;
- Take the desired amount of product from the tin using clean tools, adding 1 - 3 grams of hardening agent for every 100 grams of product;
- Mix well ensuring that the two components are blended together properly;

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




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- Apply the filler to the surface to be treated, taking into account that the product can be sanded down (P 80 – P 120 grit from dry) after around forty minutes; hardening times may vary depending on the room temperature: shorter at temperatures above 25 °C and longer at temperatures below;
- Do not return catalysed and/or unused filler to the tin as it could damage the entire content;
- Close the tin after use in order to prevent the hardening of the product due to exposure to air.

	Application	Putty knife	
	Hardener	Benzoyl peroxide paste (DBP) 1 - 3 %	
	Gel time	10 - 15 min	(MI 003; 25 °C)
	Dry to touch	1 h	(MI 012; 25 °C)
	Complete drying	3 h	(MI 012; 25 °C)
	Dry to sand	After 40 min P 80 – P 120	(MI 012; 25 °C)

## ADDITIONAL INFORMATION

**DRYING** (MI 003, MI 012; 3 % of benzoyl peroxide)

TEMPERATURE (°C)	GEL TIME	DRY TO TOUCH	FULLY DRY
25	10 – 15 min	3 h	40 min
40	< 10 min	< 1 h	15 min
IR lamp	/	10 min	10 min

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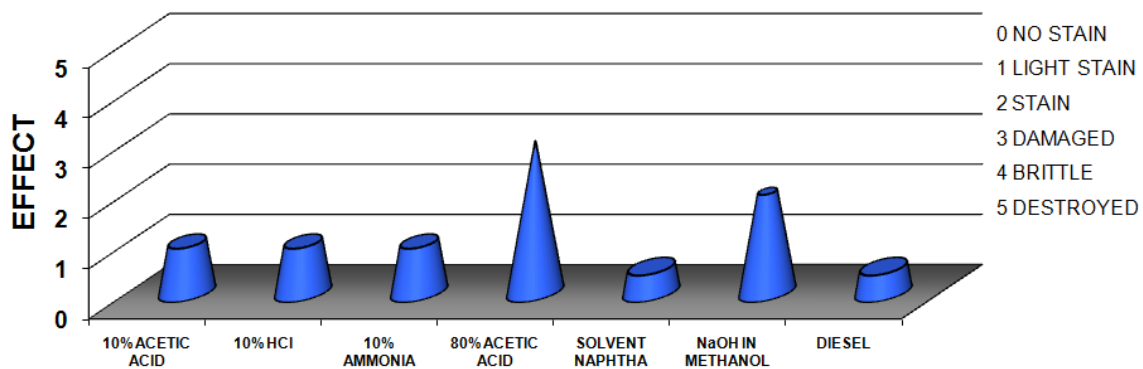
Note: depending on the environmental working conditions, the product may appear slightly sticky even 3 hours after application, dried after 24 hours indeed, however this will not effect the above-mentioned characteristics in any way. Adhesion, strength and sanding properties have been proved by laboratory tests performed in extreme environmental conditions (when sanding damp surfaces it is best to use a piece of used sandpaper first, then sand again using new sandpaper). Using an infrared lamp (2000 W) 50-60 cm distance from treated surface, hardening time will be reduced and sanding will be possible after 10-15 min.

The BLU filler has a good adherence on different metallic substrates such as: iron, aluminum, steel, stainless steel and galvanized sheets. The BLUE filler can also be used on very elastic substrates as: wood, glass, resin, plastic, and directly on polystyrene etc. maintaining excellent adhesion. If used on not mentioned materials it should be correct to do a test to confirm their adhesion.

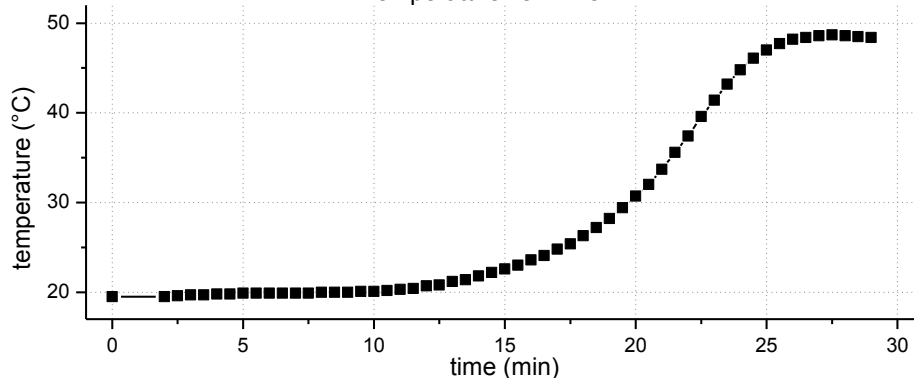
It remains practically unaltered in contact with acid chemical agents, alkali and has a good resistance at the contact of organic solvents such as solvent naphtha, diesel.

The BLU filler preserves the excellent sanding even after 48 hours from the application; also in the hardening step it has a low shrinkage and a low exothermic peak. (see chart).

## CHEMICAL RESISTANCE (MI 004)



## Temperature vs. Time



Catalysis (MI 003) has been performed with 2% of benzoyl peroxide