TECHNICAL DATASHEET

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WETOR 106 - RIGID PLASTICS REPAIR 50ML (50ML)

Ref: 106

DESCRIPTION

Wetor 106 is a two-component, black, odorless, room temperature curing thixotropic polyurethane adhesive. Specially designed for repairing rigid and semi-rigid plastics.

CHARACTERISTICS

WETOR 106 is a fast-curing polyurethane at room temperature. For a typical application of 10g of product at 20°C, setting time is 5 minutes and full cure time is 120 minutes. The lower the temperature and thickness of the applied product, the longer the curing time. The type of material where WETOR 105 is applied also influences the reaction time: products with lower thermal conductivity coefficients promote faster drying. The curing reaction is exothermic, that is, it produces heat, never exceeding 90°C. For a typical application of 10 g of product at 20ºC, it can reach 80ºC.

DRYING AND CURING TIME

Drying time:	1 minutes
Hardening time:	5 minutes
Sandable after:	30 minutes
Full cure time:	120 minutes

HOW TO USE

Pre-treatment: Clean the area to be repaired until all traces of dust, dirt, oil and grease are removed. The pretreatment of thermoplastic material such as PVC, polycarbonate, polypropylene, PMMA, etc. can be carried out with a mixture of light ethers and isopropanol. Stronger solvents should not be used as they may damage the surface of the plastic. Pre-treatment of other surfaces can be carried out with trichlorethylene. Petroleum should never be used. If possible, the surface to be repaired should be sanded to remove paint (if necessary) and increase adhesion. Allow the area to dry before applying WETOR 106.

Application: WETOR 106 comes in a double cartridge package, in which the 2 components must be applied in a ratio of 1:1. After equalizing the product level in each tube, place a mixing tip on the cartridge nozzle and apply the product directly to the area to be repaired. For a stronger repair, apply WETOR 106 to the Reinforcement Mesh and place this immediately at the rear of the repair site. Press the product through the repair site and place some on the front part, shaping it. The product can be sanded after 30 minutes.

GRADES: To ensure good resistance in the repair, a layer of WETOR 106 at least 0.2 mm thick must be applied. WETOR 106 must be applied between +10ºC and +30ºC.

TECHNICAL SPECS	Part A	Part B	Final Product
Basic component:	Polyol	MDI	Polyurethane
Color:	Black	Brown	Black
Viscosity:	1,000 mPas	860 mPas	50,000 mPas
Density (20ºC):	0.95 g/cm3	1.220 g/cm3	1.220 g/cm3
Flash point:	200ºC	205ºC	-
Coefficient of expansion (µ/mºC):	60-120	x	10-6
Tensile strength (20ºC):	-	-	23 N/nm
Stretching (20ºC):	-	-	15%
Resistance (20ºC):			1.2x1015Ωxcm
Functional temperature:			- 36ºC to +100ºC

PRECAUTIONS

See Safety Data Sheet.

PACKAGING

Type:	Double cartridge for two-component product
Volume (total):	50 ml

EXPIRY DATE AND STORAGE

12 months after production if kept under proper storage conditions.