TECH-MASTERS Trading GmbH
Perfektastraße 55, A-1230 Wien
Tel: +43 (0)1 / 867 29 07
office@tech-masters.com
www.tech-masters.eu

TPT

TOP PLAST ECO

TWO COMPONENT PLASTIC REPAIR

- Fast curing
- Sanding after 5 minutes
- Room temperature curing
- Resists: Motor oil, Paraffin, Acetic Acid, Petrol, water , solvents, temperatures up to 100°C
- High filling properties
- Bonds various materials
- Non-shrinking properties
- Ideal grinding till zero
- Repair and assamble with one product
- Stays elastic up to 25 %
- Over paintable
- EMICODE EC1 certified - very low emission



General Information

TOP PLAST ECO is an extremely strong two component polyurethane based adhesive, that is specially designed for a fast and structural bonding and repair. TOP PLAST ECO bonds a wide range of materials as thermosetting and thermoplastic materials, steel, aluminium, concrete, wood and glass. TOP PLAST ECO cures at room temperature, is odourless and thixotropic. TOP PLAST ECO is your solution for all reparations on parts that have been thrown away until now.

Technical Information

ADHESIVE:
Physical state: paste
Colour: white
Odour: characteristic
Specific gravity: ~ 1,24 g/cm³
Dynamic viscosity: 55 Pas
Relative density: 1,21
Explosives: Product is not explosive
Oxidising liquids: No

HARDENER:
Physical state: paste
Colour: black
Odour: characteristic
Specific gravity: ~ 1,29 g/cm³
Dynamic viscosity: 60 Pas
Relative density: 1,29
Explosives: Product is not explosive
Oxidising liquids: No

Resistivity: 1,2x10(15) Ωxcm
Temp. Resistance: -40°C until +100°C
Application Temp.: +5°C to +30°C
Fully loadable: After 30 min.
Shrinking rate: Lower than 1%

Cure characteristics:
Working time (at 23°C): 30 sec
Sanding time (at 23°C): 5 min
Clamp time (at 23°C): 2 min

Properties of cured adhesive:
Shore D hardness (at 23°C, EN ISO 868): 65
Tensile Strength (at 23°C, EN ISO 527): 26 MPa
Young´s Modulus (at 23°C, EN ISO 527): 440 MPa
Elongation at break (at 23°C, EN ISO 527): 58%
Glass transition temperature (ISO 11357): 64°C

Application and Use

- INDUSTRIES:
  Repair of hard and flexible plastic (fibre filled or not), wood, metal and aluminium, make install from, plates, letters, repair in industrial electronics , mechanics, indoor and outdoor maintenance, repair of damaged inner thread – broken bolts. Fastening of dowels in big holes and use TOP PLAST ECO instead of dowels (screw is applied in TOP PLAST ECO)
- AUTOMOTIVE:
  For fast bonding of broken plastic and metal parts. Different brackets on bumpers, covers, plastic tanks, headlamps rear lights and windows mechanism. Trimming and tuning parts, repairs of damaged holes and screws...
- PREPAIRING and MIXING:
  The parts must be cleaned free of grease and have to be dried completely
  For better results the parts have to be sanded before clueing
  Application temperature +5°C to +30°C
  Use the clue only with the standard mixing nozzles.

- 1) Take care that all necessary equipment is available at you work place.
  2) Clean parts to be glued with Mega Foam
  3) Sand or roughen parts, clean again with Safety Clean/Multifoam and wait about 5 min. that cleaners can evaporate
  4) For difficult applications use a primer
  5) Apply TOP PLAST ECO cartridge in your 2K gun, open the cartridge and press out some product without mixer tip, to check if both components come out the openings
  6) Apply Mixer tip, press 2K gun and apply TOP PLAST ECO. Fit parts together immediately
  7) After 15 min you can continue process the glued parts.
  8) You can leave the mixer tip on the cartridge, this will avoid curing of the remaining content in the cartridge

Article nr	Name	Content	Shelf Life	Catalog
T910201	Top Plast Eco black 30 sec. 50ml	50ml	see imprint + 24 months	ADHESIVES AND SEALANTS
T910202	Top Plast Eco black 1,5min. 50ml	50ml	see imprint + 24 months	ADHESIVES AND SEALANTS
T910203	Top Plast Eco black 3,5min. 50ml	50ml	see imprint + 24 months	ADHESIVES AND SEALANTS
T910204	Top Plast Eco transparent 50 sec. 50ml	50ml	see imprint + 12 months	ADHESIVES AND SEALANTS
T910250	Top Plast Eco black 3,5min. 250ml	250ml	see imprint + 24 months	ADHESIVES AND SEALANTS
T911350	Applicator 50 ml TM 1:1 / 2:1 / 10:1	1pc.	-	TOOLS
Y911600	Reinforcement Tissue 12x360cm	1pc.	-	TOOLS
Y911601	Contouring Tissue 12x360cm	1pc.	-	TOOLS

Notice

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Tech-Masters is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Tech-Masters products provide, relates only to the standard conditions of sale of this product. In no case Tech-Masters can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.