



TPO Plastics

A flexible polyurethane adhesive for repairing TPO plastics provided as two part, 1:1 ratio, product in a dual 50ml cartridge.



Part N°: 84003 (PROII), 50ml cartridge

Features

- Solvent free
- 50ml cartridge allows two average sized repairs
- Cures within 10 minutes (fully cured in 4 hours)
- Can be over painted
- Sands well, produces smooth finish
- Will adhere even when subjected to extreme pressure

Benefits

- No VOC; reduces solvent tonnage
- Economical and cost effective repair
- Allows quick through put in workshop
- Invisible repair
- Invisible repair
- Retains impact resistance of original plastic

Application Method

The Kent TPO cartridge contains two liquid urethanes, which when mixed together will create a very strong plastic adhesive and filler.

TPO has been formulated for the repair of all types of rigid automotive plastics, including repairing of splits, or replacing missing pieces in all damaged plastics such as Bumpers, Grilles, Door Mirrors, Spoilers, Skirts Headlamp casings, Fan shrouds and ducting.

It can also be used as a two-pack fast cure adhesive for bonding together broken plastics such as lugs and mounting brackets.

Instructions for use

1. Identify the type of plastic to confirm the suitability of TPO for the repair
2. Apply Kent Plastic Cleaner to repair area to ensure any contaminants are removed. Dry naturally or dab off with a clean cloth
3. Carefully groove the sides of the damaged area to a 30-40° angle.
4. Using 80 grit wet/dry disc sand the surrounding 3-4cm of the front and rear of the repair.
5. Re-clean both front and rear of repair with Plastic Cleaner, wipe off excess with clean cloth and allow to dry.
6. Apply Kent Plastic Primer on and around both sides of the repair and allow to dry.
7. Cut Kent Backing Film to cover length of repair and overlap by at least 4cm.
8. Equalize new cartridge before use. Fit Kent Mixer tip to the cartridge and apply a ball of Kent TPO onto the centre of the Backing Film sufficient to cover rear of repair to depth of at least 3-4mm.
9. Within 60 seconds apply film with uniform pressure to spread product evenly over rear of repair so product extrudes through the front of repair area.
10. Within one minute and with the tip of the mixer submerged in the product to avoid air pockets, apply surplus Kent PRF to the front of the repair.
11. Carefully roll Backing Film onto product on front of repair to create even covering of product to depth of 3-4mm.
12. At 20-25° C, after 10 minutes the Backing Films can be removed and the repair area sanded to a smooth finish. Avoid excessive speed.



Technical Information

Part N°:	84003	Appearance / Colour	Black paste (mixed)
Description:	50ml TPO Plastic Adhesive	Work Life (10g @ 20°C) :	60 seconds
Shelf Life:	15 months	Bonding time: (10g @ 20°C)	5 minutes
Accessories:	Mixer Tip – green Quadro x 2	Full Cure time: (10g20°C):	240 minutes
Stock Code:	PROII	Shore D:	70
Customs Tariff Code:	3506 1000	Tensile Strength (20°C)	22 N/mm ²
SDS:	Yes	Elongation (20°C):	20%
Chemical Resistance @ 3 months immersion:		Viscosity (@ 25°C):	60,000 mPas
Sulphuric acid 24% (battery acid):	Good	Resistivity:	4.8 x 10 ¹⁴ Ωcm
Hydrochloric acid 37%:	Fair/Good	Cured Specific Gravity (@ 25°C)	1.13g/ml
Diesel fuel:	Good	Service temp, continuous:	-30°C to + 100°C
Petrol:	Fair/Good	Application temp:	+ 10°C to + 30°C



SDS available on www.kenturope.com

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