

# Tufflon<sup>®</sup> Repair Kit

## Polyurethane Elastomer

### PRODUCT

**DESCRIPTION** Tufflon Repair Kit is a 100% solids, two-component, slow curing, ultra high build polyurethane elastomer coating designed specifically for protection against corrosion, abrasion and impact. The Tufflon Repair Kit is to be applied by hand.

### INTENDED

#### USES

- Caravan repairs
- Ute tray liner repairs
- Mobile equipment repairs

### FEATURES

- Elastomeric
- Solvent Free
- Low exotherm
- Trowelable
- Excellent Abrasion Resistance
- Extremely tough

### PRODUCT DATA

<b>Volume Solids</b>	100%
<b>Theoretical Coverage</b>	0.33 Square meter / Litre @ 3000 Microns DFT
<b>Finish</b>	Pigmented
<b>Colour</b>	Black
<b>Gloss</b>	Semi-Gloss
<b>Mixing Ratio</b>	1:0.6 by volume
<b>Gel Time</b>	30 Minutes
<b>Typical Thickness</b>	2000 - 3000 Microns Dry Film Thickness
<b>Cleaner</b>	Thinner LM1
<b>Flash Point</b>	>115 °C
<b>VOC</b>	0 Grams/Litre
<b>Specific Gravity</b>	1.13

### CURE & RECOAT

Substrate Temp	Tacked	Hard Dry Note 1	Minimum Recoat Time	Maximum Self Recoat Time Note 2
5°C	24 Hrs	2 Days	2 Days	8 Days
10°C	18 Hrs	1.5 Days	1.5 Days	6 Days
15°C	12 Hrs	1 Day	1 Day	4 Days
25°C	6 Hrs	12 Hrs	12 Hrs	2 Days
40°C	3 Hrs	6 Hrs	6 Hrs	1 Day

Note 1: Tufflon Repair is a slow-curing, high-build membrane and needs to be allowed adequate time to cure hard (7 Days).

### ENGINEERING DATA

Property	Method	Results
Elongation at 24°C	ASTM D412-92	125%
Tensile Strength	ASTM D412-92	6 - 5 MPa
Hardness	ASTM D 2240-91, Shore A	74 - 78
	Shore D	30 - 34

# Tufflon® Repair Kit

## A & B Liquid Properties

Property	Tufflon Repair Part A	Tufflon Repair Part B
Appearance	Black	Amber
Viscosity	20,000 cPs	350 - 550 cPs
Density	0.85	1.14

## LIMITATIONS

- External exposure to UV of the Aromatic Polyurethane Black (Tufflon Repair) will not change colour much but does reduce the gloss.
- The Tufflon Repair will not be the exact texture, colour or gloss level as an age Tufflon.

## SURFACE PREP

### Fibreglass

1. Sand the surface to be coated with 80-grit sandpaper.
2. Clean and degrease.

### Galvanised Steel

1. Polished surfaces should be lightly abraded with a nylon scourer.
2. Clean and degrease.

## APPLICATION

### Preconditioning

Allowing the Tufflon Repair Parts A and B to warm up to 15 -30°C will allow easier mixing of the two parts. Once preconditioned, the kit is ready for use.

### PreMix

Due to its thixotropic nature (high viscosity), Part A will not settle; however, mixing thoroughly before use will remove any false gelling that has occurred.. Part B does not require stirring prior to use.

### Equipment

Equipment	Application
Roller or Brush	Small area application and gap-filling

### Mixing

1. The Tufflon Repair Part A is resistant to pouring (has good hold-up). Mix contents well to remove gelling. Use the wooden spatula to scoop out the required amount.
2. Carefully pour the required volume of Tufflon Repair Part B.
3. Mix thoroughly using a spatula for 3 - 5 minutes. Scrape the sides and bottom of the mixing container. Stir thoroughly so the mix becomes a consistent viscosity and without lumps.
4. Mask the area with tape, paper or plastic.
5. Apply the Tufflon Repair mixture with a trowel (Using a brush will leave brush marks).
6. Carefully remove masking and allow to cure with protection from rain.

Products	400mL Mix	800mL Mix	1600mL Mix
Tufflon Repair Part A	250mL	500mL	1000mL
Tufflon Repair Part B	150mL	300mL	600mL

# Tufflon® Repair Kit

## Environment

Relative humidity:	The relative humidity must be less than 85%
Dew point:	The substrate temperature must be at least 3°C higher than the dew point temperature
Substrate Temperature:	The substrate temperature must be a minimum of 5°C

## Thinning

Tufflon Repair material should never be thinned.

## Clean-Up

Thinner LM1 may be used for general clean-up of tools.

## COMPATIBILITY

### Primers (Overlap on repairs)

Elaston W80  
Tufflon P80  
Tufflon P90

## Typical Systems

Substrate	Environment	Substrate Prep	Coat	System	DFT
Fibreglass	External Conditions	Sanding with 80 sandpaper	1 <sup>st</sup> Coat	Tufflon Repair	3000µm
Galvanised	External Conditions	Lightly abrade with nylon Scourer	1 <sup>st</sup> Coat	Tufflon Repair	3000µm
Steel	External Conditions	Sanding with 80 sandpaper	1 <sup>st</sup> Coat	Tufflon Repair	3000µm

## STORAGE & HANDLING

Store in dry, shaded conditions away from sources of heat and in the original properly sealed containers. Protect from heat and frost. Protect contents from moisture. A shelf life of 12 months minimum is typical with unopened containers if stored at ambient conditions at 25°C. If either component is opened and partially used, reseal the containers immediately.

## PACK SIZE

1.5L Kits  
0.91Kg (1L) of Tufflon Repair Part A in a 1L Container  
0.68Kg (0.6L) of Tufflon Repair Part B in a 1L Container

## HEALTH & SAFETY

This product should not be used without consulting the Safety Datasheets first. Please observe all health and safety and environmental legislation that applies in your state.

## DISCLAIMER

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