

CRC Industries NZ, Auckland NZ

I. Product Description

Perma-Mend™ is a unique, easy-to-use UV or sunlight activated, self adhesive repair patch. Made of fiberglass reinforced polyester. It exhibits extremely good adhesion properties for long lasting repairs. Rated up to 2200 PSI when properly applied. Perma-Mend™ UV Torch is designed to assist in curing Perma-Mend™ Repair Patches in low UV environments (inside, at night). UV Torch sold separately.

II. Features & Benefits

- Non-flammable and non-toxic
- Flexible, waterproof and UV resistant
- Can be drilled, tapped, sanded and painted in less than an hour
- Wide Temperature Range – Resistant from -20°C to 200°C
- Resistant against many chemicals, solvents and oils
- Fast curing (as little as 5 minutes depending on UV intensity)
- Easy to use, industrial strength
- Self adhesive
- No shrinkage

III. Application and Directions

Read entire label before using this product.

1. Surface should be clean and dry. Abrade if necessary.
2. Cut Perma-Mend™ patch to required size without exposing to sunlight. Replace remaining material into foil protective sheet.
3. Remove white backing tape to expose the sticky resin. Apply patch to repair area with sticky side down. Press firmly.
4. Remove transparent film from patch top. Expose to UV or sunlight. Curing time depends on UV intensity between 5 minutes and 50 minutes.

IV. Typical Properties and Characteristics

Property	Value	Test Method
Tensile strength	>55MPa	BS 2782 bis 1994
Flexural strength	>130MPa	ASTM D 790-03
Flexural modulus	>5.98 MPa	ASTM D 2344
Elongation at break	>3%	BS 2782 bis 1994
Coeff of thermal expansion	2.9° 105K-1	ASTM D 696-03
Impact resistance	>60kJ/m ²	BS EN ISO 180
Hardness	>60 Barcol	ASTM D 2583
Compressive strength	>200 MPa	ASTM D 695-2002
Adhesion to C-steel	> 14 MPa	ASTM D 4541-02
Water vapor permeability	0,28 g/m ² /24h/mmHg	ASTM E 96
Heat distortion	>145°C	ASTM D 648
Fire rating	Class 1	BS 476 pt7:1997 ASTM 84
Flash point	>32°C	ASTM D 93
Dielectric strength	9kV/mm	IEC 243
Arc resistance	>180 sec	ASTM D 495
Heat resistance	Wet 90°C - Dry 200°C	



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V. Package Description

Part Number	Size
14089	7.6x 15.3cm
14098	UV Flashlight

VI. Special Precautions

Do not allow product to come into contact with eyes.
If in eyes rinse cautiously with water for several minutes. If eye irritation persists get medical attention.

Refer to Material Safety Data Sheet for more details.

TECHNICAL DATA SHEET Version 04/2016

PRODUCT WARRANTY: CRC offers a conditional warranty of this product for the period of 2 years from the date of manufacture.

DISCLAIMER: All information on this data sheet is based on testing by CRC Industries NZ. All products should be tested for suitability on a particular application prior to actual use. CRC Industries makes no representations or warranties of any kind concerning this data.