



## Loctite UK Ltd

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## Technical Data Sheet

### Product: Chemical Metal

(PP 1,2,3,4,5,6,7,8,9)

### PRODUCT DESCRIPTION

Universal fix-it product, which joins, fills, seals and replaces metal, wood, stone etc. Sets hard in 10 minutes.

### Typical applications

Literally thousands of different applications, limited only by the imagination of the user. Exceptionally good adhesion to most materials. Can be drilled and tapped. High chemical resistant.

### Properties of uncured material

#### Component A (Paste)

Chemical type	Unsaturated polyester
Appearance	Dark grey
Density @ 25 °C, kg/dm <sup>3</sup>	1,67
Viscosity @ 23 °C, Pa•s	
Brookfield HBF STD F-01	45-55

#### Component B (Hardener)

Chemical type	Dibensoyl Peroxide
Appearance	Yellow
Density @ 20 °C, kg/dm <sup>3</sup>	1,15
Viscosity @ 20 °C, Pa•s	200-600

### Typical curing performance

#### Cure speed vs. Time/temperature

By using 2-3 percent hardener in relation to the amount of paste, the mixture will cure in approx. 10 min. at +20 °C. After a further 10 min. the product can be sanded. Low temperature will prolong setting time.

### Performance of cured material

#### Physical properties

Electrical conductivity ( $\Omega$ /cm)	$10^{14}$
Hardness (Shore D)	85-90
Tensile strength (N/mm <sup>2</sup> )	~16
Compressive strength (N/mm <sup>2</sup> )	~90

#### Adhesion

Mild steel	< +160 °C
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### Chemical resistance

Cured material is resistant to water, salt solutions, organic solvents, diluted acids and alkalis.

### General information

#### Directions for use

For best performance abrade and degrease all surfaces. The two components should be mixed thoroughly, 2-3 percent hardener in relation to the amount of paste. Do not mix more than will be used in 5 min. Apply a thin layer to the area to be filled, making sure it penetrates into any gaps, sanding grooves and surface irregularities. Fill immediately to the required thickness. Best results are achieved in dry conditions above +10 °C.

#### Setting time

Approximately 10 min. at +20 °C. Sandable after a further 10 min. Start sanding using a 120-240 grit abrasive paper. Clean tools with acetone, ethyl acetate, cellulose thinners or similar immediately after use.

#### Storage

The product has a storage life of 2 years from date of manufacture. For maximum storage life store in a cool place.

#### Note

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PLEASE CONTACT LOCTITE SWEDEN AB R & D DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS FOR THIS PRODUCT.

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