

## Introduction

SealXpert™ PS109 Supermetal Epoxy Putty is a two-component, room temperature curing epoxy adhesive. The product is a cold welding repairing material filled with alloy steel powder and ceramic, easy to use; no-sagging after mixed. After cured, it has good properties of high bonding strength to substrate, impact resistance and can be machined.

## Typical Applications

Suitable for repairing holes, sand holes, shrinkage and cracks; Also can be used to repair of size tolerance and wear of gadget; widely used for manufacture and maintenance of shipping, port machinery, automotive electricity and mining machinery etc.

## Typical Properties of Uncured Materials

### A component

	Typical Value	Range
Appearance	grey paste	
Specific gravity (g/cm <sup>3</sup> )	1.68	1.66-1.72

### B component

	Typical Value	Range
Appearance	black paste	
Specific gravity (g/cm <sup>3</sup> )	1.68	1.66-1.72

## Typical Properties of Mixed Materials

	Typical Value	Range
Appearance	grey paste	
Ratio by weight	A:B=2:1	
Ratio by volume	A:B=2:1	
Coverage	490cm <sup>2</sup> @6mm thickness/454g (set)	
Pot life (min)	50	40-65
(100g@25°C)		
Min. curing time before operation at room temperature (h)		
50% loading	12	
100% loading	24	

## Typical Properties of Cured Materials

	Typical Value
Hardness (Shore D)	90
Shear Strength (MPa)	21
Compressive Strength(ASTM D695)	170
Tensile Strength(ASTM D688-111)	55
Working Temperature (°C)	-50-160

## Directions for Use:

**Cleaning and Preparation:** Prepare the repairing surface by grinding, filing or sand blasting. Remove oil and chemical (if any) from the surface.

**Mixing:** Mix component A and Component B in accordance to the specified ratio and stir to ensure uniform mixture.

**Dispensing:** Dispense the mixture to prepared surface with trowel, make it compact, eliminate gaps and air bubbles, moulding and even.

**Cure:** Allow curing in accordance to the minimum curing time at room temperature before operation. If faster curing is required, heat up the surface slightly to shorten curing time.

**Note:** Higher temperature and mixing more of each components together will shorter the pot life. On the contrary, lower temperature and mixing less of each component will length the pot life. In the case of temperature below 10°C, it is recommended to preheat the repairing surface. In the case high temperature, reduce the mixture of each component to shorten curing time.

## General Information

Keep out of reach of children.

It is recommended to use at well ventilated place.

In case of contact with skin, wipe away, then rinse with clean water; in case of contact with eyes, rinse with clean water immediately; if symptom goes on, call a physical attention.

Please refer to the MSDS for more details

## Package

Item No.: PS109, 454grams/ set

Component A (Resin): 303grams/ container

Component B (Hardener): 151grams/ container

## Storage

Stored in a cool and dry location in unopened containers at 8 to 28°C.

The product shelf life is 24 months.