

Introduction

SealXpert™ PS108 Hi-Temp Repair Putty is a two component ambient-temperature curing epoxy putty. The heat-resistant composite materials are made of nickel-based alloy, ceramic and special formularised epoxy resin. SealXpert™ PS108 Hi-Temp Repair Putty is convenient-to-use, non-sagging with excellent high temperature resistant and high mechanical strength. It is able to withstand up to 230°C continuous operation and up to 280°C intermittently.

Typical Applications

Used for repairing equipment abrasion, scratch, corrosion and crack etc., such as engine parts corrosion, break, steam or hot oil pipeline break, paper making dry tank corrosion and leakage. Used for electric power plant, watercraft, automobile, engineering, machinery, petrochemical etc. industries' manufacturing and engineering repairing.

Typical Properties of Uncured Materials

Component A (Resin)

Appearance	Black grey paste
Basic material	Modified Epoxy Resin
Specific gravity (g/cm ³)	1.85

Component B (Hardener)

Appearance	Off-White paste
Basic material	Epoxy modified amine
Specific gravity (g/cm ³)	1.30

Typical Properties of Mixed Materials

Appearance	Grey paste
Weight ratio (A : B)	3:1
Volume ratio (A : B)	2:1
Dispensing area:	432cm ² @6mm thick
Pot life (min)	60
(100g@25°C)	

Min. curing time at room temperature (h)

50%loading	6
100%loading	12

Typical Performance of Cured Materials

Specific gravity	2.2 g/cm ³
Hardness (Shore D)	80
Shear Strength	18 MPa
Compressive Strength (ASTM D695)	89 MPa
Tensile Strength (ASTM D688-111)	30 MPa
Working Temperature	-50 - 280°C

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 (Resin) and Component B (Hardener) in accordance to the specified ratio and stir to ensure uniform mixture.

Dispensing: Dispense the repair putty onto the repairing surface with scrapper, compress and compact to eliminate gaps and air bubbles.

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 components 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, and rinse immediately with water. If contact with eyes, rinse immediately with water and visit a physician.

Please refer to the MSDS for more details

Package

Item No.: PS108, 454grams/ set

Component A (Resin): 378grams/ container

Component B (Hardener): 76grams/ container

Storage

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

The product shelf life is 12 months.