

## Introduction

SealXpert™ PS110 Titanium Repair Putty is a high-performance, non-rusting titanium-reinforced epoxy engineered for making repairs to machinery and equipment that can be precision machined. It used to protect new or repaired surfaces from cavitation, erosion and corrosion. SealXpert™ PS110 Titanium Repair Putty withstands heavy loads in hard chemical environments.

## Typical Applications

- Repairing worn pumps, scored shafts and hydraulic rams
- Rebuilding wear rings, pump impellers, butterfly and gate valves and tube sheets
- Protecting wear plates
- Preventing cavitation to condenser water boxes
- Refitting keyways
- Restoring bearing housings
- Levelling and chocking critical equipment

## Typical Properties of Uncured Materials:

### Component A (Resin)

Appearance	Viscous. Liquid
Specific gravity (g/cm <sup>3</sup> )	2.5

### Component B (Hardener)

Appearance	Off-white. Paste
Specific gravity (g/cm <sup>3</sup> )	1.78

## Typical Properties of Mixed Materials:

Appearance	Grey paste
Ratio by weight	11:1
Ratio by volume	3.75:1
Coverage/lb:	47 sq.in./lb.@1/4"
Pot life (min)	21 min.
(100g@25°C)	
Min. curing time before operation at room temperature (h)	
50% loading	8 hrs.
100% loading	16 hrs.

## Typical Properties of Cured Materials:

Specific gravity	2.36 g/cm <sup>3</sup>
Hardness (Shore D)	87D
Shear Strength (MPa)	14 MPa
Compressive Strength (ASTM D695)	130 MPa
Tensile Strength (ASTM D688-111)	28 MPa
Working Temperature (°C)	-50 – 160°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 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, 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.: PS110, 454 grams/ set

Component A (Resin): 416.2 grams/ container,

Component B (Hardener): 37.8 grams/ container

## Storage

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

The product shelf life is 24 months.