LOCTITE

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Product Description Sheet
7230 High Temperature Wearing Compound

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PRODUCT DESCRIPTION

Loctite 7230 Nordbak High Temperature Wearing Compound is a two-part Ceramic filled epoxy paste designed to protect, rebuild, and repair high wear areas of processing equipment. Temperature range –30° to +230°C. High Temperature Wearing Compound requires post-curing for ultimate performance and temperature resistance.

Advantages:

- Ceramic -filled for outstanding resistance to abrasion
- Renews worn surfaces fast - reduces downtime
- Extends wear life-resists sliding abrasive wear and eliminates costly wear part inventory
- Non sag - provides abrasion resistance on over-head and vertical surfaces

TYPICAL APPLICATIONS

- Cyclone and separator bodies
- Dust collectors and exhausters
- Pump liners and impellers
- Fan blades and housings
- Chutes and hoppers
- Exhausters

PROPERTIES OF UNCURED MIXED MATERIAL

	Typical Value
Appearance	Thick Grey Paste
Mix Ratio (R:H) by Volume	4:1
by Weight	3.9:1
Coverage	.74m^2@ 6 mm thick per 10kg kit
	7.7 ft^2@ 1/4" thick per 10kg kit

TYPICAL CURING PERFORMANCE

(@ 25°C unless noted)

Curing Properties	Typical Value
Working Life, minutes	30
Cure Time,	Requires Post Cure, See Directions For Use

TYPICAL PROPERTIES OF CURED MATERIAL

(@ 25°C unless noted)

Physical Properties	Typical Value
Compressive Strength, ASTM D695,N/mm^2	103.4
Hardness ASTM D-2240, Shore D	90

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

DIRECTIONS FOR USE

Surface Preparation:

Proper surface preparation is critical to the long-term performance of this product. The exact requirements vary with the severity of the application, expected service life, and initial substrate conditions.

- Thoroughly clean and abrade surfaces (grit blast if possible), finally clean with Loctite 7063. The more thorough the degree of surface preparation the better the performance of the application.
- On vertical or overhead areas, tack welding expanded metal mesh onto the metal substrate is recommended prior to application of 7230 Wearing Compound.

Mixing:

- Measure 4 parts resin to 1 part hardener by volume (3.9 to 1 by weight) or transfer entire kit onto a clean and dry mixing surface and mix together until uniform in colour.
- If resin and hardener temperatures are 15°C or below, preheat resin only to about 30°C but not to exceed 40°C

Application:

- Apply fully mixed material to the prepared surface.
- Initially apply as a thin film to "wet" out the surface.
- Build up to desired thickness (minimum 6mm), avoid air entrapment
- At 25°C the working time is 30 minutes. Functional cure time is 7 hours, post cure at 150°C for 2 hours.
- **Caution!** Use an approved, positive-pressure, supplied-air respirator when welding or torch cutting near cured compound. **DO NOT** use open flame on compound.

TECHNICAL TIPS FOR WORKING WITH EPOXIES

Working time and cure time depends on temperature and mass:

- The higher the temperature, the faster the cure.
- The larger the mass of material, the faster the cure.

To speed the cure of epoxies at low temperatures:

- Store epoxy at room temperature.
- Pre-heat repair surface until warm to the touch.

To slow the cure of epoxies at high temperatures:

- Mix epoxy in small masses to prevent rapid curing.
- Cool resin/hardener components.

Storage

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C unless otherwise labelled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information, contact Loctite UK Technical Service.

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of

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