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Product Description Sheet

7229 Nordbak High Temperature Pneu-Wear

March 2000

PRODUCT DESCRIPTION

Loctite 7229 Nordbak High Temperature Pneu-Wear is a small ceramic bead filled two-part epoxy putty, designed to protect equipment from fine particle abrasion. Temperature range -30° to $+230^{\circ}\text{C}$. High Temperature Pneu-Wear requires post-curing for ultimate performance and temperature resistance.

Advantages:

- Small ceramic bead filled – resists fine particle abrasion.
- Prolongs equipment life
- Easy to mix and use – renews worn surfaces fast, reduces downtime
- Non sag – provides abrasion resistance on over-head and vertical surfaces

TYPICAL APPLICATIONS

- Providing protective lining in pneumatic conveying systems
- Repairing and providing abrasion resistance:
 - in elbows
 - in exhausters
 - in hoppers
 - in cyclones
 - In dust collectors

PROPERTIES OF UNCURED MATERIAL

	Typical Value
Appearance	Thixotropic Grey Paste
Mix Ratio (R:H) by Volume	4:1
by Weight	4:1
Coverage	.74 m 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
Shear Strength ASTM D1002, N/mm ²	34.5
.125mm gap, acid etched aluminium	
Hardness ASTM D-2240, Shore D	85

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 7229 Pneu-Wear.

Mixing:

- Measure 4 parts resin to 1 part hardener by volume or weight, 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 the material in a very thin layer to "wet" out the surface and avoid air entrapment.
- Build up to desired thickness (minimum 6mm), avoid air entrapment
- At 25°C, the working time is 30 minutes. Functional cure time is 6 hours, post cure at 150°C for 2 hours.
- **Caution!** Use approved, positive-pressure, supplied-air respirator when welding or torch cutting near cured compound. **DO NOT** use open flame on compound. See other cautions on Material Safety Data Sheet.

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 mixed, 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 persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Loctite Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loctite Corporation's products. Loctite Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Loctite Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. One or more United States or foreign patents or patent applications may cover this product.