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Product Description Sheet

7227 Nordbak Brushable Ceramic Grey

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PRODUCT DESCRIPTION

Loctite 7227 Nordbak Brushable Ceramic Grey is an ultra smooth, ceramic filled epoxy that provides a high gloss, low friction coating designed to protect against abrasion and cavitation, and reduce turbulence. Temperature range -30° to +90°C.

Special Features:

- Silicon carbide filled – to provide maximum protection.
- Ultra-smooth brushable consistency.
- Gloss finish to reduce friction, turbulence and cavitation
- Can be used alone, or as a low friction top coat over Loctite wearing compounds
- Easy to mix and use – reduces downtime.
- Excellent adhesion – forms a permanent bond.

TYPICAL APPLICATIONS

- Providing a smooth, protective, abrasion resistant coating.
- Repairing heat exchangers and condensers.
- Lining tanks and chutes.
- Resurfacing and repairing rudders and pintel housings.
- Repairing: valve bodies, pump impellers and housings.

PROPERTIES OF UNCURED MIXED MATERIAL

	Typical Value
Appearance	Grey Flowable Liquid
Mix Ratio (R:H) by Volume	2.75:1
by Weight	4.8:1
Coverage	1.2 m ² @ .5 mm Thick per 1kg. 13 ft ² @ .020 " Thick per 1kg.

TYPICAL CURING PERFORMANCE

Curing Properties

(@ 25°C unless noted)

	Typical Value
Working Life, minutes	30
Cure Time, hours	6

TYPICAL PROPERTIES OF CURED MATERIAL

(@ 25°C unless noted)

Physical Properties	Typical Value
Compressive Strength, ASTM D695, N/mm ²	86.2
Shear Strength ASTM D1002, N/mm ²	13.8
.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

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.

Mixing:

- Material temperature should be between 20-30°C
- Measure 2.75 parts resin to 1 part hardener by volume (4.8 to1 by weight), or add all hardener contents to resin container and mix vigorously until uniform in colour.

Application:

- Apply fully mixed material to the prepared surface.
- Brushable Ceramic Grey should be brushed on 0.5 mm thick for best results.
- At 25°C the working time is 30 minutes and functional cure time is 6 hours.
- **Caution!** Use an approved, positive-pressure, supplied-air respirator when welding or torch cutting near cured compound. **DO NOT** use open flame on material.

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.