



advanced integrated technology
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POLAR PATCH FREEZER CEMENT *Advanced Cold Temperature Repair*

Polar Patch Freezer Cement is a chemically engineered concrete repair product specifically designed for freezers that cannot be shut down to repair the concrete.

The majority of cold temperature products are expensive, hard to work with, and have a limited shelf life. Polar Patch has advanced cold temperature repair by eliminating all of these shortfalls. Polar Patch has superior adhesion and strength, is easy to work with, sells for less, and has a long shelf life. Polar Patch is a single component product that you simply mix with water. Polar Patch is self-leveling and fast setting once placed. Polar Patch has a short turnaround time, so you can quickly be back in operation, generally 30 minutes after placement.

TESTING

COMPRESSION STRENGTH

2 Hrs – 1800 psi
4 Day – 3460 psi
9 Day – 5100 psi

ADHESION TEST

Cohesive Failure – 9 days 1700 psi

FOOD SAFE: APPROVED

VOC'S – ZERO

Meets **LEED Requirements**.

COVERAGE

Approximately 16 square feet at ½ inch thick per 50 lb pail.

SURFACE PREPARATION

- Clean and remove any oil, grease, dust in area to be patched.
- Remove any loose concrete. Make sure the concrete in the area to be repaired is structurally sound.

- For best results the thickness of Polar Patch should be no less than ½ inch thick.
- For temperatures below –25 C OR –13 F, you must warm the concrete before application of Polar Patch.

MIXING INSTRUCTIONS: VERY IMPORTANT

- Make sure you mix the material very close to the area to be patched, as placement and work time is limited.
- Before mixing, measure out the amount required for the job into a clean pail.
- Pour the water into a clean pail (USE COLD TAP WATER). Follow the Mix Design instructions.
- Add the Polar Patch mortar to the water while mixing. DO NOT over mix. The texture should have a fluid consistency.
- Pour immediately into the area to be patched.
- Trowel material level with existing concrete. Work time is approximately 1 minute.

MIX DESIGN

- 50 lbs of Polar Patch add 3800 ml (3.8 Litres) of water and mix.
- 12.5 lb of Polar Patch add 950 ml of water and mix.
- Batches using more than 2 Litres of water will need to be mechanically mixed with a ½ inch drill and a jiffy mixer.

CLEAN-UP

Wash all tools and equipment immediately with water. Cured material may be removed by mechanical means only.

WARRANTY

We warrant our products to be of good quality and will replace any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. The user shall determine the suitability of the product for the intended use and assume all risks and liability in connection therewith. Therefore, except for such replacement of product, Cornerstone Coatings makes no warranty or guarantee express or implied including warranties of fitness for a particular purpose or merchantability, respecting its products, and Cornerstone Coatings shall have no other liability with respect thereto. This warranty supercedes all other warranties express or implied.