

LOCTITE[®] PC 9620

Known as LOCTITE[®] Fixmaster[®] MagnaGrout[®]
August 2015

PRODUCT DESCRIPTION

LOCTITE[®] PC 9620 provides the following product characteristics:

Technology	Magnesium phosphate-based
Appearance	Gray liquid to paste (mix to desired consistency)
Cure	Room temperature cure after mixing
Components	Two component - requires mixing
Application	Flooring & grout
Specific Benefit	<ul style="list-style-type: none"> • Easy to Use • Applicator friendly • Fast setting • Cure temp.: -25 °C to +45 °C

LOCTITE[®] PC 9620 is a two-component, rapid setting concrete repair and grouting system that outperforms conventional concrete repairs. A high performance, magnesium phosphate-based system, LOCTITE[®] PC 9620 cures faster than concrete, and unlike concrete, bonds to both new and old concrete as well as most construction materials, including wood and steel. This product has smaller aggregate than LOCTITE[®] Fixmaster[®] MagnaCrete[®] and thus is suitable for shallower pours. Since LOCTITE[®] PC 9620 does not use a water additive, this repair system can be applied at virtually any temperature without shrinkage and is freeze/thaw and deicing salt resistant. This product is typically used for the repair of concrete highway walls, pot holes, airport runways, anchoring machinery, commercial refrigeration floors, loading docks, grouting bedplates and soleplates, columns and bridge decks, parking structure joints, concrete pillars, floor repairs, ramps, rail grouting, anchoring bolts and handrails. This product is typically used in applications with an operating range of -26 °C to +1090 °C.

TYPICAL PROPERTIES

Coverage, 3.8 liter (1 gallon)	0.45 m ² @ 0.64 cm thick/4.54 kg (4.8 ft ² @ 0.25 in thick/10 lb)
Coverage, 19 liter (5 gallon)	2.0 m ² @ 0.64 cm thick/20.4 kg (21.6 ft ² @ 0.25 in thick/45 lb)

TYPICAL CURING PERFORMANCE

Set Time, ASTM C-807, minutes:

Initial	3 to 11
Final	15 to 22

TYPICAL PERFORMANCE

Compressive Strength:

After 2 hours	N/mm ² 17 to 21 (psi) (2,500 to 3,000)
After 3 days	N/mm ² 28 to 41 (psi) (4,000 to 6,000)
After 28 days	N/mm ² 48 to 55 (psi) (7,000 to 8,000)
After 1 year	N/mm ² 90 (psi) (13,000)

GENERAL INFORMATION

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

Directions for use:

- Preparation:** For best results, surface must be clean, dry and free from loose material. Remove all dirt, blacktop tar, and oil substances from the area to be covered, leaving a rough clean surface.
- Forms:** If forms are needed, use plastic or Formica.
- Mixing:** To mix material, add activator to aggregate and mix thoroughly. Add only enough activator to obtain the consistency desired for the application, approximately 1:5 ratio of activator to aggregate. Material should be mixed immediately prior to placement and should be completed soon as possible.
- Water:** Work areas can be damp, however, standing water should be removed. **Water should not be used to dilute the liquid or to adjust consistency of MagnaGrout[®].**
- Cold Weather Application:** Set-up time will be longer in colder applications. Most applications can be open to traffic in 20 to 30 minutes (depending on ambient temperatures). e.g. 5 minutes at 32°C (90°F), 1 hour at -12°C (10°F).
- Warm Weather Application:** When using the 5 gallon kit, it is advisable to mix smaller batches at one time. Mixing the entire 5 gallons may not give adequate working time and the product may set-up in the pail.
- Clean-up:** Keep an adequate supply of water on hand to wash mixer and tools as soon as set begins 9 to 15 minutes at 20 °C.

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties.

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\mu\text{m} / 25.4 = \text{mil}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{N/mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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Reference 0.1