

LOCTITE[®] PC 6233 Black[™]

Known as Big Foot[™] Flexible Low Profile Exterior Grade (Black)
June 2015

PRODUCT DESCRIPTION

LOCTITE[®] PC 6233 Black[™] provides the following product characteristics:

Technology	Aqueous polymer dispersion
Appearance (Mixture)	Black ^{LMS}
Chemical Type	Aliphatic polyurethane
Components	One-component
Cure	Room temperature cure
Application	Non-slip coating
Specific Benefit	<ul style="list-style-type: none"> • Reduces accidents (slips and falls) in the workplace • Applies easily • Low odor

LOCTITE[®] PC 6233 Black[™] is a water-based, non-slip coating specifically designed for water prone areas. This product is chip, scuff, impact resistant as well as flexible which leads to a long service life. LOCTITE[®] PC 6233 Black[™] air dries quickly and is non flammable for safe application. Typical applications include locker rooms, showers, marinas, schools, swimming pool decks, laundries and laundromats and hospitals.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Mixed:

Specific Gravity @ 25 °C	1.21 to 1.245 ^{LMS}
Total Volatile Content, ASTM D 2369, %	0.3
Solids Content, % by weight	59.5 to 62.5 ^{LMS}
pH	8 to 9 ^{LMS}
Weight Per Gallon, lbs/gal	13.1 to 13.6 ^{LMS}
Coverage	70 ft ² per 1 gallon

Viscosity, Brookfield, 25 °C, mPa·s (cP):	
Spindle 5, speed 10 rpm	25,000 to 35,000 ^{LMS}

Flash Point - See SDS

TYPICAL CURING PERFORMANCE

Curing Properties

Dry time @ 25 °C, hours:	
Light pedestrian traffic	24
Heavy pedestrian traffic	72

Note:

Temperature and humidity of the environment and thickness of application affect dry time. Temperatures under 10 °C (50F) will result in a substantially longer cure time. Temperatures over 27 °C (80F) will result in a shorter cure time. The thicker the application, the longer the cure time.

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 Safety Data Sheet (SDS).

Directions for use:

Surface Preparation:

1. For coating concrete, wood, tile, and other porous surfaces, please refer to the Loctite[®] Big Foot[™] Acrylic Primer Technical Data Sheet.
2. For coating metal surfaces, please refer to the Loctite[®] Big Foot[™] Metal Primer Technical Data Sheet.

Mixing:

1. Thoroughly mix contents prior to use to maintain aggregate suspension.

Application Method:

LOCTITE[®] PC 6233 Black[™] can be applied at surface temperatures between 10 °C to 43 °C. Application is not recommended when surface temperature is above or below these temperatures. This product can be applied by roller or brush application. Under normal application conditions LOCTITE[®] PC 6233 Black[™] will be dry to the touch in 1 hour and can be subjected to light foot traffic within 24 hours. Protect from heavy or extended exposure to water, oil, and chemicals for 7 to 10 days during final cure.

Roller - Rolled applications provide the most aggressive anti-slip characteristics with an irregular, ridged profile.

1. Use 3/8 inch foam roller. Using a typical roller will result in an uneven finish and may not be desirable. Imparting different textures can be accomplished by using a lighter or slightly heavier pressure on the roller once the material has been positioned. Roll in only one direction as the final pass to insure uniformity of texture.
2. Dampen roller with water. Remove excess water prior to application. Completely saturate roller with product leaving no bare surfaces on the roller.
3. apply the first coat of material as a thin coat. Saturate roller after each pass. Make 4 to 5 consecutive passes in the same direction, with each pass right next to the other. When applying, roll in one direction first, and then roll in the opposite direction in order to properly blend the product and create a uniform textured surface.
4. once an area is covered, run the roller very lightly over it to ensure even distribution of the textured coating. Material applied too thickly may not properly cure.

- When dry to the touch apply subsequent coats.

Brush

- Use a foam brush for best results. Use a 2 inch wide brush for small areas and a 6 inch wide brush for larger areas.
- Apply the first coat as a thin coat. When dry to the touch, apply the subsequent coats until the desired texture is achieved. Do not apply too thick in a single coat.

Surface Maintenance - Maintain a clean surface to ensure that the anti-slip safety performance is maximized. We recommend the following cleaning procedure:

- Apply an all-purpose, biodegradable cleaner/degreaser.
- Scrub surface with a long-handled, fibre bristled brush or floor machine.
- Rinse with clean water and dry. Foreign matter such as chewing gum should be removed with a scraper or putty knife and then the surface should be cleaned following above procedure.
- Although this anti-slip coating is extremely durable, it is not permanent and will require occasional touch-up, especially in high traffic areas. This material can be re-applied over itself. To re-apply, follow instructions above for surface preparation, mixing and application.

Loctite Material Specification^{LMS}

LMS dated June 4, 2009. Test reports for each batch are available for the indicated properties. LMS test reports include selected QC test parameters considered appropriate to specifications for customer use. Additionally, comprehensive controls are in place to assure product quality and consistency. Special customer specification requirements may be coordinated through Henkel Quality.

Storage

Store product in the unopened container in a dry location. Material removed from containers may be contaminated during use. Do not return liquid to original container. 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.

Henkel cannot assume responsibility for product which has been contaminated or stored under conditions other than those recommended. 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

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Reference 0.1