


CMR™

October 2007

PRODUCT DESCRIPTION

CMR™ provides the following product characteristics:

Technology	Mold Release
Appearance	Clear, colorless light yellow ^{LMS}
Chemical Type	Solvent Based Polymer
Odor	Solvent
Cure	Room temperature cure
Application	Release Coatings
Application Temperature	13 to 41 °C
Specific Benefit	<ul style="list-style-type: none"> • Easy application • Fast curing • High gloss finish

CMR™ is a unique, polymer release agent containing a special blend of resins and cleaning solvents designed to dissolve and remove polymer, composite, and other residues from polyester molds without dulling the mold surface. CMR™ is highly recommended for cleaning polyester mold surfaces with mold build-up resulting from repeated releases using Frekote® WOLO™. Additional releases can be obtained after cleaning the mold without touching up with a traditional mold release agent.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 25 °C 0.789^{LMS}
Flash Point - See MSDS

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
FRP Molds and Wax Removal

1. CMR™ should be applied to the mold surface with a clean lint free cloth.
2. Wax and other mold residue will immediately begin to dissolve and should be removed from the surface with a second clean cloth while it is still dissolved in the CMR™.
3. As the cloth becomes saturated with wax and mold residue, dispose of it and use a new cloth.
4. Repeat process until composite and other mold residue is removed and leaves a smooth, wet film of CMR™ over the entire mold surface.
5. Allow CMR™ to cure a minimum of 15 minutes at 20°C.
6. The mold is now ready for use.
7. **NOTE:**

A simple test to assess the effectiveness of the Frekote® interface is the use of masking tape. A good interface will prevent any significant degree of tape adhesion.

Loctite Material Specification^{LMS}

LMS dated September 6, 2006. 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

The product is classified as flammable and must be stored in an appropriate manner in compliance with relevant regulations. Do not store near oxidizing agents or combustible materials. Store product in the unopened container in a dry location. Storage information may also be indicated on the product container labelling.

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 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 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, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel 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 Henkel 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. This product may be covered by one or more United States or foreign patents or patent applications.

Trademark usage

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 0.0