

**BONDERITE®****BONDERITE® S-PR 5575™**

November 2014

**PRODUCT DESCRIPTION**

BONDERITE® S-PR 5575™ provides the following product characteristics:

<b>Technology</b>	Anti-Ice Coating
<b>Appearance</b>	Clear, colorless <sup>LMS</sup>
<b>Chemical Type</b>	Solvent Based Polymer
<b>Odor</b>	Solvent
<b>Cure</b>	Solvent evaporation
<b>Cured Thermal Stability</b>	≤400 °C
<b>Application</b>	Coating
<b>Application Temperature</b>	-25 to 65 °C
<b>Specific Benefit</b>	<ul style="list-style-type: none"> <li>• Easy application</li> <li>• Resists abrasion</li> <li>• Multiple Ice Releases</li> </ul>

BONDERITE® S-PR 5575™ is a solvent based polymer designed to ease the release of dirt, scum and ice from blades, industrial parts, vehicles and components. It can also reduce buildup of dirt and scum, saving money in maintenance and repair costs.

**TYPICAL PROPERTIES OF UNCURED MATERIAL**

Specific Gravity @ 25 °C 0.71 to 0.73<sup>LMS</sup>

Flash Point - See SDS

**TYPICAL CURING PERFORMANCE**

The speed of cure will depend on temperature

**Cure Schedule**

30 minutes @ -25°C

25 minutes @ -5°C

20 minutes @ 25°C

10 minutes @ 65°C

**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. To work effectively, BONDERITE® S-PR 5575™ must be applied to thoroughly cleaned and dried surfaces. Most contamination can be removed using Frekote PMC or another suitable cleaning solvent. Consult the technical data sheet for proper use and best cleaning results.

**Application:**

1. BONDERITE® S-PR 5575™ can be applied at temperatures between -25°C and 65°C by spraying, brushing or wiping with a lint-free cloth. When spraying, ensure a dry air source is used or use an airless spray system. Always use in a well ventilated area.
2. Wipe or spray on a smooth, thin, continuous, wet film. Avoid wiping or spraying over the same area that was just coated until the solvent has evaporated. If spraying, hold nozzle 20 to 30 cm from the surface. It is suggested that small areas be coated, working progressively from one side of the surface to the other.
3. Initially, apply 2 to 3 base coats allowing 5 to 10 minutes between coats for solvent evaporation. On deep or high wear areas, apply an extra 1-2 coats of BONDERITE® S-PR 5575™. This will help increase the ice release properties even further in these high drag areas.
4. If streaking occurs, replace the cloth with a clean dry one and/or make sure that the cloth is just damp and not overly wet. Avoid over application, as this will cause streaking on the surface. Streaks or wipe lines can be removed easily by wiping the surface lightly with a dry cloth.
5. Allow the final coat to cure for 20 minutes at 25°C. See cure time vs. temperature table for additional information regarding cure time of final coat at various temperatures.

**Loctite Material Specification<sup>LMS</sup>**

LMS dated May 21, 2014. 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 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.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

**In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:**

In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

**In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:**

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. 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.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

**In case products are delivered by Henkel Corporation, Resin Technology Group, Inc., or Henkel Canada Corporation, the following disclaimer is applicable:**

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