

Product Description

TEROSON EP 16005 (known as TEROCORE 16005) is a magnetic, non-expanding heat curing epoxy sealant laminated to a fiberglass reinforcing layer. The material is supplied in die cut form on release paper and used to reinforce and stiffen body panels, thin metal sections or high stress areas such as around door handles.

TEROSON EP 16005 (known as TEROCORE 16005) provides adhesion to electrocoated or primed metal, galvanized or cold rolled steel and aluminum with nominal coatings of drawing compounds or lubricants typically used in the automotive industry. The magnetic properties provide improved green state adhesion to vertical and inverted surfaces.

Typical Applications

TEROSON EP 16005 (known as TEROCORE 16005) is typically applied to sheet metal for reinforcement, stiffening and vibration abatement.

Properties of Uncured Material

Appearance	Black mastic with fiberglass
Specific Gravity	2.0 – 2.3
Weight per square foot (1 mm thickness)	0.44 lb (200 g)
Weight per square meter (1 mm thickness)	4.74 lb (2150 g)
Solids Content	98% minimum
Flash Point	> 205°C (400°F)

Typical Curing Performance (Metal Temperature)

Target Cure Schedule	10 minutes @ 176°C (350°F)
Minimum Cure Conditions	30 minutes @ 121°C (250°F)
Maximum Cure Conditions	60 minutes @ 205°C (400°F)

Typical Properties of Cured Material, Load at 2mm deflection, N (lb)

Property	Steel	Steel + 16005
Initial	18 (4)	71 (16)
Aged 14 days 88°C (190°F)	--	82 (18)
Aged 500 hrs. 38°C (100°F), 100% RH	--	65 (19)

Sample Type: 1.0mm TEROSON EP 16005 applied to 0.8 mm SAE 1008-1010 type steel

Directions for Use

TEROSON EP 16005 (known as TEROCORE 16005) should

be left in its original packaging until ready to use. The patch is applied manually by removing the release paper and applying the patch over the desired area. Hand pressure is applied over the entire area of the patch to insure good contact with the substrate.

Material and metal surface should be conditioned at 18-35°C (68-95°F) prior to application to ensure proper tack, flexibility and surface adhesion prior to bake.

Packaging / Storage

Frost Sensitive	No
Storage Temperature	< 35°C (95°F)
Shelf Life	> 90 days

Hazard Indications / Safety Recommendations / Shipping Regulations

Refer to MSDS for further information

Order Information

Bulk IDH Number **1498280**

Creation Date 26 February 2009

Revision Date 04 September 2018

Revision Number 2

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.

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.