



# FUSION 508

August 2015

## PRODUCT DESCRIPTION

**FUSION 508** is an extremely high viscosity, medium fixturing, single component, industrial quality instant adhesive. Formulated to clear gel and featuring nonstringing, nonmigrating properties. It is suitable for most substrates, and can be applied to vertical surfaces.

## Physical Properties

### MONOMER (Liquid State)

Base Compound:	Ethyl Cyanoacrylate
Appearance:	Colorless Liquid
Viscosity (cps @ 68°F):	Thixotropic
Specific Gravity (g/cc):	1.08
Flash Point (TCC):	185°F
Shelf Life @ 40°F:	One year in unopened containers

Setting Time: (68°F, 65% R.H.):

Metal/Metal:	30-50 Seconds
Plastic/Plastic:	20-25 Seconds
Rubber/Rubber:	12-15 Seconds

### POLYMER (Cured State)

Appearance:	Colorless Solid
Service Temperature Range, °F:	-65 to 200
Softening Point:	329°F
Refractive Index:	1.49
Full Cure Time:	24 Hours
Dielectric Strength KV/mm:	11.6
Dielectric Constant @ 1Kc:	5.4
Coefficient of Thermal Expansion in./in./°F):	0.000126
Tensile Strength:	
Aluminum/Aluminum:	3771 psi
Solubility:	Nitromethane, Acetone, Dimethylformamide

## Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

## Note

The product for which the data provided herein are furnished for informational purposes only and are believed to be accurate and reliable. Nevertheless, Henkel Corporation cannot and will not assume responsibility for the results obtained by others over whose production methods we have no control. Thus, it is the user's responsibility to determine the suitability of this product 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, storage, disposal and use thereof. In light of the foregoing, **HENKEL CORPORATION SPECIFICALLY DISCLAIMS ANY AND ALL WARRANTIES EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND FREE FROM CLAIMS OF THIRD PARTY PATENT INFRINGEMENT, ARISING FROM THE SALE, POSSESSION, HANDLING, STORAGE, DISPOSAL, TRANSPORTATION OR USE OF THIS PRODUCT. HENKEL CORPORATION SPECIFICALLY DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING LOST PROFITS.** Neither the product, nor the data or discussion herein of various processes for which, are to be interpreted as an express or implied license under any Henkel Corporation patents. Henkel Corporation recommends that any and all proposed commercial application(s) using this product be evaluated for reproducibility in the exact manner and on the production equipment with which it is intended to be used before repetitive commercial production use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications of Henkel Corporation, or under which Henkel Corporation is licensed.