

Urethane Hybrid 1058

Ready-to-use Protective Spray Coat



Exactly your chemistry.

Product and Test Information

MANUFACTURER

KiON Specialty Polymers
A Clariant Business
4331 Chesapeake Drive
Charlotte, NC 28216
Tel.: 800.585.2151
Fax: 704.395.6689

FEATURES

- Superior chemical resistance (MEK, acetone, brake fluid, and most other organic solvents)
- Excellent UV stability
- Crystal clear coating
- Oxidation resistant
- Corrosion resistant
- Excellent rust resistance on steel
- Ready-to-use formulation
- Cures in heat for 1 hour
- Thermally durable

PRODUCT DESCRIPTION

Urethane Hybrid 1058 is a patented ready-to-use spray coat containing both polysilazane and polyurethane components that can be thermally-cured to provide an oxidation and corrosion resistant clear finish.

Urethane Hybrid 1058 cures upon heating to temperatures between 145°C and 155°C for 1 hour.

ORDERING INFORMATION

Urethane Hybrid 1058 is furnished as a 2-pack system:

Urethane Hybrid 1058 Spray Coat (Pack A) - product code: 226648

Urethane Hybrid 1058 Base Resin (Pack B) - product code: 226649

PRODUCT APPLICATIONS

Urethane Hybrid 1058 provides clear, protective thermally cured coatings for ferrous and non-ferrous metals and alloys, ceramics, glass, etc.

Suggested applications include: High temperature, industrial, decorative, infrastructure, automotive and marine coatings.

PACKAGING

Urethane Hybrid 1058 Spray Coat (Pack A) and **Urethane Hybrid 1058 Base Resin** (Pack B) are available in 1 gallon containers, 5 gallon pails and 55 gallon drums. Contact a Sales Representative to determine the packaging required to suit your needs.

TECHNICAL DATA

Mix ratio (Pack A: Pack B):	1:1 (equal parts by volume)
Appearance:	Pack A /B: Clear, colorless liquid
% Solids:	Pack A: 52.7 wt% Pack B: 47.3 wt%
Flash point:	Pack A/B: 29°C
Specific gravity:	Pack A: 0.961 Pack B: 0.979
VOC:	Pack A: 28 wt% naptha solvent Pack B: 19.3 wt% naptha solvent
Hardness:	6H (ASTM D3363)
Adhesion:	100% (ASTM D3359)
Gloss:	90 @ 60°
Flexibility:	1/8" rod Mandrel

APPLICATION

For vertical spray applications, a $< 10 \mu$ film thickness is recommended. For horizontal spray conditions, a $< 25 \mu$ film thickness is recommended.

SOLVENTS

Urethane Hybrid1058 can be diluted with dry aprotic solvents such as alkanes, aromatic hydrocarbons, ethers, ketones and esters.

Urethane Hybrid1058 is hydrolytically sensitive and will slowly generate ammonia upon contact with moisture. Reaction will also occur with other protic materials such as acids, bases and alcohols.

SHELF LIFE

Urethane Hybrid1058 has a shelf life of 2 years for material in the unopened original containers.

Usable life will be determined by the precautions taken to keep containers tightly sealed and protected from moisture.

CLEAN UP

Proper clean-up is essential. Clean tools immediately after use with acetone or mineral spirits followed by soapy water. Cured material cannot be removed with solvent.

HANDLING PRECAUTIONS

May cause lung irritation. Use adequate ventilation. In enclosed areas, respiration equipment is necessary. Avoid contact with skin and eyes. Wear necessary protective equipment. Keep uncured product away from flame, sources of ignition and moisture. Prevent uncured product from coming contact with water. **FOR INDUSTRIAL USE ONLY.** Refer to MSDS for more information.

TECHNICAL SERVICE

Technical chemists are available to answers any performance, application, removal methods and chemical specifications. Call 800.585.2151 for direct service.

This product sheet is not designed to serve as or be substituted for a MSDS on this product. A MSDS is available from KiON Specialty Polymers by calling 800.585.2151.

Information on this product sheet is subject to change without notice as a result of experience and ongoing product development. It is the user's responsibility to verify that this sheet is current prior to use. The user accepts all risk associated with any use of this product for any purpose other than as recommended herein.

This document provides general information about our products and their uses. Customers should determine the suitability of using Clariant products in their own applications. Clariant only warrants that our products will meet their published specifications. All other express or implied warranties are disclaimed.

Website: www.kioncorp.com
Email: nakion.info@clariant.com

KiON Specialty Polymers
A Clariant Business
4331 Chesapeake Drive
Charlotte, NC 28216

Tel: 800.585.2151

