



KDT Clear Coat

Ambient-Cure Polysilazane Clear Coat (Product Code: K-1068)

KiON Clear is a crystal clear, ready-to-use Polysilazane clear coat. When applied, KiON Clear cures at ambient temperature by a moisture induced crosslinking mechanism. KiON Clear can be applied easily by spraying, dipping, or brush coating. KiON Clear can be used as an oxidation- or corrosion-resistant clear finish for metals, plastics, glass and other substrate materials. An average dry time of approximately 1 hour is typically achieved, depending upon temperature and humidity. KiON Clear provides a clear, protective coating for both ferrous and non-ferrous metals and alloys, ceramics, glass, etc. In addition, KiON Clear has excellent “weatherability”, UV resistance, hardness and abrasion resistance.

Major Applications:

Clear, protective coatings for both ferrous and non-ferrous metals and alloys, clear automotive finishes, thermally durable coatings, and industrial, infrastructure and marine coatings.

Technical Data

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|-----------------------|-----------|----------------------------|-----------------------------------|
| Appearance | Clear | Hardness | 6H (ASTM D3363) |
| Finish | Gloss | Adhesion | 90-100 % (ASTM D3359) |
| % Resin Solids | 40 | Chemical Resistance | Good |
| Film Thickness | 5 – 25 µm | Coverage | 4000-6000 ft ² /gallon |
| VOC | Low | Dry Time | 1 hour |

Application:

Prior to application all surfaces must be cleaned with all traces of dirt, dust and other loose material removed. Apply KDT Clear Coat using rollers, spray, or wipe-on. For best results, use only a thin application. Dilution and/or recoating are not necessary with this product. KDT Clear Coat is dry-to-touch in 1h and fully cured in 2 -3 days at ambient conditions.

KION DEFENSE TECHNOLOGIES, INC.

1957-A Pioneer Road
Huntingdon Valley, PA 19006
(215) 957-6100

Clean Up:

Clean tools immediately after use with acetone or mineral spirits. Solvent cleaning can be followed by a wash with soapy water. Cured material cannot be removed with solvent. Proper clean-up of equipment is essential.

Handling:

Storage Life: Minimum of 2 years for unopened containers.

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

Solvents:

KDT Clear Coat is miscible with dry aprotic solvents such as alkanes, aromatic hydrocarbons, ethers, ketones, and esters. KDT Clear Coat is hydrolytically sensitive and will slowly generate ammonia upon contact with moisture. The polymer will also react with other protic substances such as acids, bases, and alcohols.

Safety:

Use safety glasses and adequate ventilation. Protect skin from exposure using gloves and appropriate clothing. Seek medical attention if ingestion or overexposure is suspected. Keep uncured product from flame, all ignition sources, and moisture. This product is intended for professional use by persons familiar with this product data sheet, the Material Safety Data Sheet (MSDS) that accompanies product shipments, and applicable health, safety, and environmental practices and regulations. Contact KDT for advice concerning this product's suitability for specific applications.

Disclaimer:

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.

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