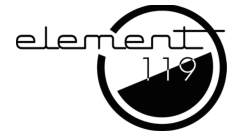


# TECHNICAL DATA

Product Name: **System X Diamond Hardcoat**



Substance key: SXDIA

Ambient cure base coat for paint, gel coat, and bare metal.

## Product Overview

System X Diamond Hardcoat Ceramic Coating is a ready to use ambient drying base coat suitable for paint, gel-coat and bare metals. System X Hardcoat is applied easily by hand using a sponge, cloth or circular cotton applicator. This coating's cross-linking mechanism produces a shatterproof ceramic barrier that becomes the functional surface of the substrate treated. Application time of about 3 minutes per panel and dry time of approximately 20 minutes depending on temperature and humidity levels. 80% cure in 24 hours, full cure in 3 days at 18°C (64°F) to 23°C (73°F).

This product has excellent weatherability, UV resistance, hardness and abrasion resistance.

## Major Applications

Medium Glossy, very hard, highly protective base coating.

- ✓ Automotive, aircraft, gel coat ceramic basecoat, before application of System X PRO
- ✓ Applications where a very glossy finish is not required or desired
- ✓ Stainless steel
- ✓ Outdoor kitchens
- ✓ Food preparation areas
- ✓ Corrosion resistant applications

## Technical Data

|                                 |   |
|---------------------------------|---|
| <b>Appearance</b>               | Clear   |
| <b>Finish</b>                   | Low-Medium Gloss  |
| <b>Chemical resistance</b>      | Excellent   |
| <b>Coverage</b>                 | 60 sqft / ounce (30 ml)   |
| <b>Dry time</b>                 | 20 minutes  |
| <b>Shelf life</b>               | 1-2 years from shipment date when unopened and stored dry at 18°C (64°F) to 23°C (73°F) |
| <b>Protection effectiveness</b> | 7+ years depending on environmental factors   |

|   |   |
|---|---|
| <b>Pencil Hardness</b>                      | 9H  |
| <b>Temperature resistance</b>               | > 760°C (1400°F)  |
| <b>Salt Spray (ASTM B117)</b>               | @ 35°C (95°F), 5% salt concentration, > 350 hrs to first signs of corrosion |
| <b>Adhesion Cross-Cut Tape (ASTM D3359)</b> | 5b (0%, none)   |
| <b>Mandrel Bend (ASTM D522)</b>             | 0% @ 180° rotation  |
| <b>Impact (ASTM D2794)</b>                  | 80/80 in/lbs  |