



Korexane ST1020 (Two-Component)

Product Description A two-component, hydriized finish coat of polysiloxane and acryl resin with excellent weather resistance , color and gloss retention. It also displays good resistance to chemicals, solvent, sea water and provides extended lifetime of exposed parts.

Recommended Use As a finish for protective and marine coatings which require excellent weatherability, color and gloss retention.

Physical Properties

Finish and Color High gloss. White (1000), Grey (1128), Black (1999)

* For more available color, consult with KCC's business department.

Drying Time

Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
Set to touch	4 h	3 h	2 h
Dry through	36 h	24 h	18 h

* The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.

Solids by Volume Approx. 60 % (Determined by ISO 3233)

Theoretical Spreading Rate 12 m²/L in 50 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.0 ~ 1.2 for Mixture of Base and Curing agent.

Flash Point Base (ST1020 PTA) : 26 °C / 79 °F (Closed cup)
Curing agent (ST1020 PTB) : 149 °C / 300 °F (Closed cup)

Application Details

Surface Preparation Remove any oil, grease, dirt and any other contaminants from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc.

Application Conditions The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 2.7 °C (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.

Mixing Base (Part A) : Curing Agent (Part B) = 5 : 1 (by volume)
Mix thoroughly together prior to application in the proportions with power agitator as delivered.

Pot Life 4 h at 20 °C / 68 °F

Preceding Coat According to specification.

Thinning Thinner No. 0624
Do not dilute each components separately.

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

KCC Corporation

Korexane ST1020 (Two-Component)

Application Spray (Airless or Air), Roller or Brush application.

Method For airless spray application ;

Nozzle orifice : 381 μm ~ 533 μm (0.015" ~ 0.021")

Output pressure : 11.7 MPa ~ 15.2 MPa

Fan : 40 ° ~ 60 °

(Airless spray data are indicative and subject to adjustment)

Typical 50 μm dry.

Film Thickness

Recoating Interval At 20 °C / 68 °F, Minimum : 18 h
Maximum : Free

Before overcoating, remove the oil, salt, chalking material and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing.

Shelf Life 12 months

Heat Resistance Continuous : 93 °C/200 °F (Non-immersion service)

Non-continuous : 121 °C/250 °F (Non-immersion service)

Chemical Resistance

	Acids	Alkalis	Solvents	Salts	Water
Splash & Spillage	Good	Good	Good	Excellent	Excellent
Fumes	Good	Good	Good	Excellent	Excellent

Standard Packing Unit 15 L (ST1020 PTA : 12.5 L, ST1020 PTB : 2.5 L)

Remarks Do not store at temperature below 5 °C/41 °F or above 40 °C/104 °F.
Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors.
Use with adequate ventilation.
Respiratory protection is recommended when applying this product in confined spaces or stagnant air.

Issued April 2008