

P-1019

High Solid Epoxy Primer



Product P-1019 High Solid Epoxy Primer

Item Class Epoxy Primer

P-1019 is a chrome-free high solids low VOC urethane compatible epoxy primer. In addition to promoting adhesion, it offers an excellent barrier to corrosion. This primer has excellent chemical and solvent resistant properties. It is specially recommended to inhibit and protect against, corrosion of aluminum and other plated and un-plated metallic surfaces. It may also be utilized on composite surfaces. When used with Glair G31 HS polyurethane topcoat, system is approved to quality products listing for AMS 3095 specification.

Specifications Product is manufactured to meet the performance requirements of the following specifications:

AMS 3095* - BAMS 565-008, Ty I & II, Cl A, Gr B - MEP 10-068, Ty II, Cl A & B - MIL-PRF-23377K Ty I Cl N

*On QPL Listing
(Please check 3chem.com for complete specification list.)

Catalyst & Additives Catalyst/Activator

613

Surface Preparation Prepare substrate per OEM requirements. Contact your local 3Chem representative or distributor for assistance.

Mixing Instructions

Base	Catalyst/Activator
P-1019	613

Shake Comp. "A" (Base) for 10-15 minutes. Mix comp. "A" (Base) and comp. "B" (Catalyst) 1:1 by volume. 10-minute induction time is necessary. However, make sure to thoroughly mix admixed material for at least 5 minutes.

Induction Time 10 minutes. Once mixed together, insure that admixed material is continuously stirred for at least 5 minutes before proceeding.

Spraying Viscosity 21-28 Seconds with #2 Zahn cup

Pot Life 4 Hours @ 21° Celsius, 70° Fahrenheit

Film Thickness .5 - .8 mils DFT. Wet film thickness should be .75 – 1.25 mils total

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Application Instructions

Temperature and Humidity	Minimum	Maximum
Temperature Celsius	11°	35°
Temperature Fahrenheit	52°	95°
Humidity	33%	74%

Spray Equipment

Spray Gun Type	Tip/Nozzle Size	Cap Pressure	Pot Pressure
Conventional Air	1.3 - 1.6 mm	40 to 60 psi	10 to 20 psi
HVLP	1.4 - 1.6mm	10 psi Maximum	10 to 20 psi
Electrostatic	1.2 - 1.5mm	45 to 60 psi	10 to 40 psi

Number of Coats:

Apply one even wet coat within film thickness recommendations.

Note: Maximum overcoat window without mechanical reactivation is 48 hours.

Application Instructions Dry times: @ 21° Celsius, 70° Fahrenheit

Dust Free	Tack Free	Dry to Tape	Dry to Top Coat	Dry Hard	Full Cure
1 Hour	3 Hours	4 Hours	2.5 Hour	6 Hours	6 Days

Theoretical Coverage 350-375 sq. ft / gallon @ 1 mil 8-9-m² / liter @ 1 mil
*Coverage based on 100% transfer efficiency rate

Color Translucent Yellow

Gloss 20 maximum @ 60 degrees

Volatile Organic Compound 300 g/l

Shelf Life 24 Months (When stored in climate-controlled environment between 60-80° F)
*Product may be re-certified upon inspection by 3Chem.

Safety Instructions Always read material safety data sheet (SDS) and product label before utilizing this product. Product SDS is available upon request.

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