

## Colorama PE1060

# EPOFLEX

### Selection & Specification Data

<b>Generic Type</b>	Cycloaliphatic Amine Epoxy Acrylate.
<b>Description</b>	Highly flexible epoxy coating based on high quality epoxy acrylate resin which combines between adhesion and durability of epoxies with flexibility common to acrylics, designed to be used for steel and concrete surfaces as a water proofing membrane or a highly flexible coating to resist cracks in case of high surface expansion or shrinkage.
<b>Features</b>	<ul style="list-style-type: none"><li>• Excellent chemical resistance.</li><li>• Very good abrasion resistance.</li><li>• VOC compliant to current AIM regulations.</li><li>• Excellent water proofing properties.</li><li>• Flexible with elongation up to 250%.</li></ul>
<b>Color</b>	As per shade card.
<b>Finish</b>	Gloss.
<b>Dry Film Thickness</b>	100-500 microns per coat.
<b>Solid Volume</b>	99% ± 1%.
<b>Theoretical coverage</b>	5 m <sup>2</sup> /L @ 200 microns.
<b>VOC Values</b>	0 g/L.
<b>Dry Temperature Resistance</b>	140°C (Discoloration and loss of gloss is observed above 95°C).

## Substrate & Surface Preparation

<b>General</b>	Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
<b>Steel</b>	Steel blast cleaned to ISO-Sa2½ and then primed with flexible epoxy primer or other suitable epoxy primer.
<b>Galvanized Steel</b>	Primed with suitable etching primer.
<b>Concrete</b>	Concrete must be shoot blasted and repair cracks with a suitable sealant and then primed with a proper epoxy sealer.

## Performance Data

Test Method	System	results
ASTM D3359 : Adhesion	Blasted Steel : Iso Sa 2½	5A
ASTM D4060 : Abrasion	Blasted Steel : Iso Sa 2½	95 mg loss after 1000 cycles, CS17 wheel, 1000 g load.
ASTM D3363 : Pencil hardness	Blasted Steel : Iso Sa 2½	6H
ASTM D2486: Scrub Resistance	Blasted Steel : Iso Sa 2½	90% gloss retained after 10,000 cycles w/liquid scrub medium.

## Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results. **General Guidelines:**

<b>Conventional Spray</b>	Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, .070" I.D. fluid tip and appropriate air cap.												
<b>Airless Spray</b>	<table border="0"> <tr> <td>Pump Ratio:</td> <td>30:1 (min.)</td> </tr> <tr> <td>GPM Output:</td> <td>3.0 (min.)</td> </tr> <tr> <td>Material Hose:</td> <td>3/8" I.D. (min.)</td> </tr> <tr> <td>Tip Size:</td> <td>.017"-.021"</td> </tr> <tr> <td>Output PSI:</td> <td>2100-2300</td> </tr> <tr> <td>Filter Size:</td> <td>60 mesh</td> </tr> </table>	Pump Ratio:	30:1 (min.)	GPM Output:	3.0 (min.)	Material Hose:	3/8" I.D. (min.)	Tip Size:	.017"-.021"	Output PSI:	2100-2300	Filter Size:	60 mesh
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<b>Brush &amp; Roller (General)</b>	Multiple coats may be required to obtain desired appearance, recommended dry film thickness and adequate hiding. Avoid excessive re-brushing or rerolling. For best results, tie-in within 10 minutes at 24°C.												
<b>Brush</b>	Use a medium bristle brush.												
<b>Roller</b>	Use a short-nap synthetic roller cover with phenolic core.												

## Mixing & Thinning

<b>Mixing</b>	Power mix separately, then combine and power mix. DO NOT MIX PARTIAL KITS.
<b>Ratio (by Weight)</b>	One part component (B) to be added to four parts of component (A) A:B    4:1
<b>Thinning</b>	EPOFLEX is a solvent free coating and no thinning is required.
<b>Pot Life (25°C)</b>	45 min.
<b>Cleaning Equipments</b>	Colorama Thinner No. 907EP

## Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	15°-35°C	15°-35°C	15°-35°C	0-85 %
Minimum	10°C	10°C	10°C	0 %
Maximum	37°C	55°C	45°C	85 %

This product simply requires the substrate temperature to be above the dew point. Condensation due to substrate temperatures below the dew point can cause flash rusting on prepared steel and interfere with proper adhesion to the substrate. Special application techniques may be required above or below normal application conditions

## Curing Schedule

Surface Temperature % 50% R.H.	Dry to Recoat	Complete Cure
10°C	36 hours	10 days
15°C	24 hours	7 days
25°C	16 hours	5 days
35°C	8 hours	4 days

Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times. Excessive humidity or condensation on the surface during curing can interfere with the cure, can cause discoloration and may result in a surface haze. Any haze or blush must be removed by water washing before recoating. During high humidity conditions, it is recommended that the application be done while temperatures are increasing. **Maximum recoat/topcoat times are 30 days for epoxies and 90 days for polyurethanes at 75°F (24°C).** If the maximum recoat times have been exceeded, the surface must be abraded by sweep blasting or sanding prior to the application of additional coats. 890 LT applied below 50°F (10°C) may temporarily soften as temperatures rise to 60°F (16°C). This is a normal condition and will not affect performance.

## Packaging, Handling & Storage

<b>Packaging</b>	5 L and 18 L
<b>Flash Point(Setaflash)</b>	> 100°C
<b>Storage Temp. &amp; Humidity</b>	10°-40°C
<b>Shelf Life</b>	24 months @ 25°C

**Shelf life : (actual stated shelf life) when kept at recommended Storage conditions and in original unopened containers.**