

Pitt-Guard® Direct-To-Rust Epoxy Mastic 97-145 Series

Pitt-Guard® All Weather Direct-To-Rust Epoxy 97-946 Series

TECHNICAL DATA

Recommended Uses

Recommended for areas where one coat high build barrier type protection is needed. Particularly suited for application to rusty surfaces and areas that require maximum chemical and abrasion resistance.

Gloss Level

These are semi-gloss products

Dry Time

Refer to comparison chart for dry times

Mixed VOC

97-145 Series: 1.07 lbs./gal - 128 g/l*
97-946 Series: 2.18 lbs./gal - 261 g/l**

Volume Solids

97-145 Series: 84.9% +/- 2%*
97-946 Series: 70.3% +/- 2%**

Weight Solids

97-145 Series: 91.4% +/- 2%*
97-946 Series: 81.7% +/- 2%**

Recommended Wet and Dry Film Thickness

97-145 Series: Wet 5.9 - 8.2 mils* Dry 5.0 - 7.0 mils
97-946 Series: Wet 7.0 - 10.0 mils** Dry 5.0 - 7.0 mils

Coverage

97-145 Series: 195 - 272 sq. ft. per gallon theoretical*
97-946 Series: 160 - 225 sq. ft. per gallon theoretical**

* Product data calculated on mixed 97-145

** Product data calculated on mixed 97-948

Thinning

Refer to Technical Data Bulletins

Mixing Instructions

Mix both components thoroughly before blending.*
Add Component "B" to Component "A" and blend well using a mechanical mixer. Tint bases require a 30 minute digestion time.

*If 97-723 accelerator is used with 97-145 Series, add it to the "A" component and mix well prior to the addition of "B" component.

Mix Ratio

1:1



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A Comparison of Pitt-Guard Direct-To-Rust Epoxies

| Property | Regular DTR | All Weather | Rapid-Coat |
|--------------------------|---|----------------------------|---|
| Field Tinting Capability | Full Range of Tinted Colors and Ready-Mix | None (Ready-Mix only) | Full Range of Tinted Colors and Ready-Mix |
| Low Temp Cure @ 32° F | 97-723 Accelerator Required (@ 35° F) | Best | Best |
| Dry Times | @ 77° F @ 32° F | @ 77° F @ 32° F | @ 77° F @ 32° F |
| To Touch | 8 hours 24 hours | 4 hours 16 hours | 4 hours 16 hours |
| To Handle | 16 hours 41 hours | 3 hours 3 days | 8 hours 3 days |
| To Recoat | 16 hours When dry to handle | 3 hours When dry to handle | 3 hours When dry to handle |
| Volume Solids | 84.9% +/- 2.0% | 70.3% +/- 2.0% | 70% +/- 2.0% |
| Adhesion | Excellent | Excellent | Excellent |
| Abrasion Resistance * | Very Good (92 mg) | Very Good (82 mg) | Very Good (99 mg) |
| Hardness | Very Good (2H) | Excellent (4H) | Very Good (2H) |
| Corrosion Resistance | Excellent | Excellent | Very Good |
| Chemical Resistance | | | |
| Acids | Excellent | Excellent | Very Good |
| Bases | Excellent | Excellent | Excellent |
| Solvents | Very Good | Excellent | Good |
| Salts | Excellent | Excellent | Excellent |
| Immersion | Yes (Ready Mix Colors Only) | Yes | No |

*CS-17 Wheel 1000 cycles with 1000 gram load

PRODUCT SELECTION GUIDE

Pitt-Guard Direct-To-Rust Epoxy Mastic

| PRODUCT CODE | DESCRIPTION | ONE GALLON | FIVE GALLON |
|--------------|-------------------------------|------------|-------------|
| 97-144 | Black Component "A" | X | X |
| 97-145 | Porcelain White Component "A" | X | X |
| 97-147 | Beige Component "A" | X | X |
| 97-148 | Gray Component "A" | X | X |
| 97-149 | Ready Mix Component "B" | X | X |
| 97-1500 | Neutral Base Component "A" | X | X |
| 97-1512 | White Base Component "A" | X | X |
| 97-158 | Tint Base Component "B" | X | X |

Pitt-Guard All Weather Direct-To-Rust Epoxy

| PRODUCT CODE | DESCRIPTION | ONE GALLON | FIVE GALLON |
|--------------|----------------------------|------------|-------------|
| 97-946 | Primer White Component "A" | X | X |
| 97-948 | Gray Component "A" | X | X |
| 97-949 | Component "B" | X | X |

For strictly regulated VOC markets or the most current technical data, check the technical data sheet on the website or phone number listed below.