

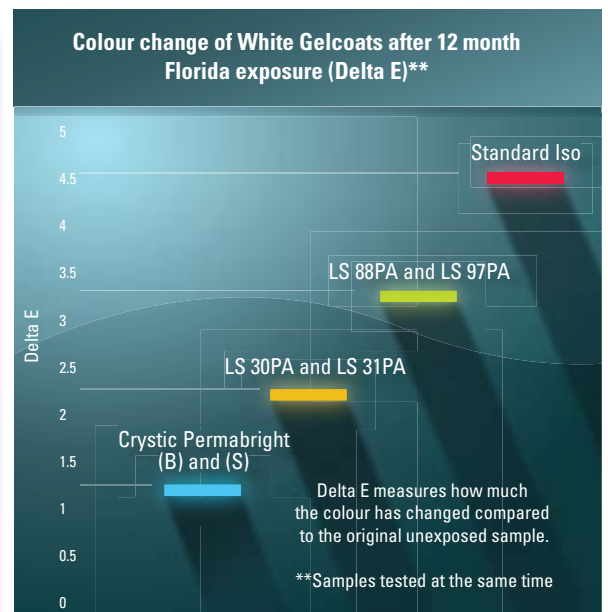
Crystic® Superior Weathering Gelcoat Range

Scott Bader has led innovation in superior weathering gelcoat technology for over 50 years

Crystic Permabright - 2 times better colour stability than next best in class Iso/NPG* - 4 times better colour stability than a standard Isophthalic Gelcoat*

A dE of 1.0 is the smallest colour difference the human eye can see, so after 12 months in intense sunlight in Florida, the colour change of Crystic Permabright is difficult to detect.

This means, products manufactured using Crystic Permabright Gelcoat can maintain their show room look and condition for longer.



Key benefits of the Crystic Superior Weathering Range:

- Market leading weathering performance
- Low styrene content
- Exceptional handling
- Low porosity finish
- D-Iso/NPG polymer technology of Crystic Permabright designed to combat colour change
- Can be used under the water line as the water uptake is very low
- Easy to repair

| | |
|--------------------------------|---|
| Crystic Permabright (B) | D-Iso/NPG polyester brush gelcoat with outstanding weathering performance |
| Crystic Permabright (S) | D-Iso/NPG polyester spray gelcoat with outstanding weathering performance |
| Crystic LS 31PA | Thixotropic Iso/NPG brush gelcoat with good weathering performance |
| Crystic LS 30PA | Thixotropic Iso/NPG spray gelcoat with good weathering performance |
| Crystic LS 88PA | Thixotropic Isophthalic brush gelcoat with good weathering performance |
| Crystic LS 97PA | Thixotropic Isophthalic spray gelcoat with good weathering performance |

Liquid Properties

| Product | Description | Viscosity at 0.6 s ⁻¹ | Viscosity at 4500 s ⁻¹ | Specific Gravity at 25°C | Stability at 20°C | Geltime 25°C 2% Butanox M50 (or other equivalent catalyst) |
|-------------------------|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|-------------------|--|
| Crystic Permabright (B) | D-Iso/NPG polyester brush gelcoat | 350 - 450 poise | 12 - 18 poise | 1.2 | 3 months | 6 - 10 minutes |
| Crystic Permabright (S) | D-Iso/NPG polyester spray gelcoat | 230 - 280 poise | 2.3 - 2.5 poise | 1.2 | 3 months | 6 - 10 minutes |
| Crystic LS 31PA | Iso/NPG brush gelcoat | 350 - 450 poise | 12 - 18 poise | 1.1 | 3 months | 6 - 10 minutes |
| Crystic LS 30PA | Iso/NPG spray gelcoat | 230 - 280 poise | 2.3 - 2.5 poise | 1.2 | 3 months | 7 - 10 minutes |
| Crystic LS 88PA | Isophthalic brush gelcoat | 400 - 470 poise | 10 - 14 poise | 1.2 | 3 months | 7 - 12 minutes |
| Crystic LS 97PA | Isophthalic spray gelcoat | 230 - 300 poise | 2.3 - 2.5 poise | 1.2 | 3 months | 6 - 9 minutes |

Mechanical Properties

| Product | Description | Barcol Hardness | Heat Deflection Temperature | Water Absorption 24 hours at 23°C | Tensile Strength | Elongation at Break | Flexural Strength |
|-------------------------|-----------------------------------|-----------------|-----------------------------|-----------------------------------|------------------|---------------------|-------------------|
| Crystic Permabright (B) | D-Iso/NPG polyester brush gelcoat | 46 | 53°C | 9 mg | 58 MPa | 3.3% | 103 MPa |
| Crystic Permabright (S) | D-Iso/NPG polyester spray gelcoat | 48 | 68°C | 6 mg | 61 MPa | 2.7% | 97 MPa |
| Crystic LS 31PA | Iso/NPG brush gelcoat | 41 | 65°C | 10 mg | 57 MPa | 2.1% | 106 MPa |
| Crystic LS 30PA | Iso/NPG spray gelcoat | 46 | 62°C | 10 mg | 52 MPa | 2.8% | 88 MPa |
| Crystic LS 88PA | Isophthalic brush gelcoat | 50 | 70°C | 17 mg | 60 MPa | 2.3% | 100 MPa |
| Crystic LS 97PA | Isophthalic spray gelcoat | 36 | 63°C | 17 mg | 74 MPa | 4.7% | 89 MPa |

Markets:

- ✓ MARINE
- ✓ BUILDING
- ✓ TRANSPORT
- ✓ INDUSTRIAL
- ✓ APPLICATIONS WHERE EXTERIOR DURABILITY IS CRITICAL

