

# Product Data



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## SPECIFIC PROPERTIES BULLETIN

### LHM-1513

#### HYDROSHIELD® CLEAR MARINE GEL COAT

**Description:** HK Research Corporation's Hybrid NPG/ISO Gel Coats are unsurpassed in the Marine Industry for their superior properties. The 100% Hybrid NPG/Isophthalic resin backbone provides this product with unique physical characteristics. These unsurpassed Gel Coat systems provide the Marine Industry with a hard stain and abrasion resistant surface

#### Typical properties of this product:

|                                 |                   |
|---------------------------------|-------------------|
| <b>HAP (Styrene) Content:</b>   | <b>41%</b>        |
| <b>HAP (MMA) Content:</b>       | <b>4%</b>         |
| <b>Weight/Gallon @ 77°F:</b>    | 8.85 pounds       |
| <b>Specific Gravity @ 77°F:</b> | 1.06              |
| <b>Viscosity, Brookfield</b>    |                   |
| @ 77°F @ 6 rpm:                 | 10,000-12,000 cps |
| @ 60 rpm:                       | 1,500-2,000 cps   |
| <b>Thixotropic Index:</b>       | 5.0 – 7.4         |
| <b>Gel Time, 100 Grams</b>      |                   |
| @ 77°F, 2% MEKP*:               | 12-14 minutes     |
| <b>Typical Film Cure Rate</b>   |                   |
| <b><u>@ 77°F, 2% MEKP</u></b>   |                   |
| Film Gel Time                   | 35-50 minutes     |
| Cure Time                       | <60 minutes       |
| Barcol Hardness, Cured Film     | 38-40 units       |

#### Shelf Life -

**Uncatalyzed, @ 77°F:** 3 months minimum

Recommended catalysts are Cadox L-50a, and DDM-9.

Call HK's Lab for other recommendations.

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