

## Technical Data Sheet

### Enydyne® LSE 8020 LSE Resin Ortho/DCPD Low Styrene Emission Laminating Resin

#### Description

- Low viscosity,
- Ortho/DCPD based unsaturated polyester resin,
- High reactivity, pre-accelerated,
- Thixotropic,
- Low styrene version available.

Enydyne® 8020 laminating resin is specifically designed for swimming pool, marine and other composite manufacturing applications. Enydyne® 8020 laminating resin is ready to use and easy to apply by hand lay-up method or spray. Enydyne® 8020 laminating resin requires only the addition of the proper amount of an appropriate methyl ethyl ketone peroxide to cure. Enydyne® 8020 laminating resin is available in a low styrene version upon request.

#### Typical Properties

Specific Gravity	1.05-1.10
Reactivity* (25°C, with 1.5% MEKP-925)	43 to 47min
Solid Content	53-57%
Viscosity (25°C Brookfield RVT, spindle No.5 @ 5 rpm)	18000cP to 21000cP
Thixotropic Index (Brookfield RVT, spindle No.5, speeds 5 & 50rpm)	3.0 to 4.0

\*Cure: It is recommended to recheck the gel time in the customer's plant as age, temperature, humidity and catalyst will produce varied gel times.

#### Mechanical Properties

Barcol Hardness (ASTM D 2583)	40
Tensile Strength (ASTM D 638)	52MPa
Tensile Modulus (ASTM D 638)	4137MPa
Flexural Strength (ASTM D 790)	70MPa
Flexural Modulus (ASTM D 790)	3800MPa
Heat Deflection Temperature (ASTM D 648)	75°C



PRP Corp recommends MEKP-925 or alternatively, Andonox LCR-S, as the catalysts to be used. The catalyst level should not exceed 2.5% or fall below 1.0% for proper cure, with 1.5% at 25°C being ideal.

This product should not be used when temperature conditions are below 15°C (as cure may be adversely affected).

Each user must determine the suitability of this product to their particular application. PRP Corp is always available to assist in the proper selection of all Polynt-Reichhold products available for commercial use.

#### Storage Limitations

Uncatalyzed, this resin has a usage life of 90 days from date of manufacture when stored at 23°C or below in a closed, factory-sealed, opaque container, and out of direct sunlight. The usage life is cut in half for every 10°C over 25°C.

#### Disclaimer and Limitation of Liability

This datasheet contains data that is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out spot-tests to determine each product's suitability for their particular purpose. This data sheet and the properties of the product may change without notice. It is the user's responsibility to ensure that this data sheet is the most up to date version. PRP Corp is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of out of date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Final determination of the suitability of the material for the use contemplated, the manner of use and whether the suggested use infringes any patents is the sole responsibility of the user.

#### Safety Information

For all safety and regulatory information, please contact PRP Corp for the most up to date Safety Data Sheet.

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