

**Turboset™ Ultra Eco**

Self-Crosslinking Waterborne Polyurethane Composite

Turboset™ Ultra Eco is an NMP/NEP free, self-crosslinking waterborne polyurethane composite that is able to be formulated to <140g/L VOC US (< 50 g/L EU). Turboset™ Ultra Eco is designed to perform on sports, recreation and high traffic wood floors without the use of cross-linkers. One component (1K) waterborne finishes made from Turboset™ Ultra Eco can be formulated to have properties such as black heel mark, scuff and abrasion resistance comparable to 2K waterborne urethane finishes. Turboset™ Ultra Eco is based on a state of the art, self-crosslinking mechanism that cures as the wet film dries. Turboset™ Ultra Eco's ability to perform in demanding floor applications without adding cross-linkers simplifies and lowers the risks of application associated with 2K systems, while also reducing waste. If additional performance is desired, Turboset™ Ultra Eco can be further cross-linked with an external cross-linker, such as aziridine or isocyanate, to further improve properties such as hardness and chemical resistance.

**FEATURES AND BENEFITS**

- Abrasion Resistance
- Adhesion
- Black Heel Mark Resistance
- Chemical Resistance
- Crosslinkable
- Durable
- Glossy
- Hardness
- Non-Yellowing
- Scratch Resistance
- Self-Crosslinking
- Solvent Resistance
- Stain Resistance
- Water Resistance

**CHARACTERISTICS**

Characteristic Name	Value
% Volume Solids	34.0 - 36.0
% Weight Solids	35.0 - 37.0
Appearance	Slightly Cloudy Dispersion
Brookfield Viscosity (cps)	<400
Density (g/cc @ 25 °C)	1.04
Density (lb/gal @ 25 °C)	8.69
Freeze/Thaw Stability	Protect from freezing
MFFT (°C)	<4.4
pH Value	7.5 - 9.0

Characteristic Name	Value
Volatile Organic Compounds (wt. %)	0.62 (Triethylamine)

## REGULATORY

- Low VOC<sup>4</sup>
- NEP-Free<sup>1</sup>
- NMP-Free<sup>1</sup>

<sup>1</sup>Not intentionally added to the composition of this product

<sup>4</sup>Suitable for coating formulations where less than 140 g/l VOC (US EPA Method 24) or 75 g/l VOC (ISO 11890-1, Method 2) is desired based on calculations.

## APPLICATIONS

- Building & Construction Coatings

## AVAILABLE REGIONS

- Asia Pacific
- Latin America
- North America

## RECOMMENDED STORAGE AND RE-TEST DATE

Lubrizol recommends retesting quality after 365 days. See SDS for storage conditions and handling instructions.

## REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at [www.lubrizol.com/coatings](http://www.lubrizol.com/coatings).

Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:

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