

Preliminary Technical Data Sheet

08 September 2014

Hydroxy Acrylic (Acrylic Polyol) in Mixed Solvents

KUCRYL OHA 400S/60

Kucryl OHA 400S/60 is a 4% hydroxy acrylic copolymer in mixed solvents that has been specifically designed for use, in combination with a suitable aliphatic polyisocyanate, in two component automotive coatings.

Physical Characteristics

<u>Parameter</u>	<u>Units</u>	<u>Limits</u>	<u>Parameter</u>	<u>Units</u>	<u>Limits</u>
Non-Volatile Content	%	60 ± 2	Clarity	Nil	Clear
Viscosity (25°C)	Gardner	Y – Z ₁	Colour	APHA	< 50
Viscosity (25°C) *	Poise	20 - 30	Specific Gravity (25°C) *	Nil	± 1.01
Acid Value (on solids)	mg KOH/g	4 - 8			

Hydroxyl Content *

	<u>Percent Hydroxyl</u>	<u>Hydroxyl Number</u>	<u>Hydroxyl Equivalent Mass</u>
On Solids Content	4.0%	130 mg KOH/g	420 grams
As Supplied	2.4%	80 mg KOH/g	700 grams

Solubility Characteristics *

<u>Solvent</u>	<u>Solubility</u>	<u>Solvent</u>	<u>Solubility</u>
Aromatics	Soluble	Esters	Soluble
Ketones	Soluble	White Spirits	Limited

Properties marked with an * are provided for information purposes only and do not form part of the product specification.

Kucryl OHA 400S/60 has limited compatibility with other film formers other than polyisocyanates.

Areas of Use

Kucryl OHA 400S/60 is recommended as a component in the formulation of the following products:

- **Automotive Clear Coats**
- **Automotive Solid Colours**

Application Methods

Kucryl OHA 400S/60 is of use in the formulation of spray applied room temperature or forced dry coatings.

Variants

Kucryl OHA 400S/60 has a higher viscosity variant, **Kucryl OHA 40S/60**, for use in the formulation of lower solids more economical coatings.

Packaging

Kucryl OHA 400S/60 is packaged in 190Kg net mild steel tight head drums.

Storage Stability and Safety

Kucryl OHA 400S/60 is stable for a period of 12 months when stored in its original container out of direct sunlight at temperatures not exceeding 25°C. This product contains Xylene and Methoxypropyl Acetate. As such it requires special care in handling. Please refer to the MSDS and any local statutory requirements.

No warranty or guarantee, express or implied, is made regarding the performance or suitability in any product as the finished product formulation and/or manner of use are beyond our control.

KCMC are committed to improving all aspects of our product range through continued research and development. As such product composition and/or specifications may change without notice.