

Technical Data Sheet

21<sup>st</sup> August, 2014

Hydroxy Acrylic (Acrylic Polyol) in Solvent Naphtha

KUCRYL OHA 12SN/70

Kucryl OHA 12SN/70 is a hydroxy acrylic copolymer in Solvent Naphtha that has been specifically designed for use, in combination with a suitable aliphatic polyisocyanate, in general industrial, *high solids*, two component coatings where good light-fastness, hardness and durability are required.

<u>Parameter</u>	<u>Units</u>	<u>Physical Characteristics</u>		<u>Units</u>	<u>Limits</u>
		<u>Limits</u>	<u>Parameter</u>		
Non-Volatile Content	%	70 ± 2	Clarity	Nil	Clear
Viscosity (25°C)	Gardner	Z <sub>2</sub> – Z <sub>4</sub>	Colour	APHA	100 max
Viscosity (25°C) *	Poise	40 – 60	Specific Gravity (25°C) *	Nil	± 1.02
Acid Value (on solids)	mg KOH/g	4 – 8			
		<u>Hydroxyl Content *</u>			
	<u>Hydroxy Content (%)</u>	<u>Hydroxyl Number (mg KOH/g)</u>	<u>Hydroxyl Equivalent Mass (g)</u>		
On Solids	1.2	40	1,400		
As Supplied	0.85	28	2,000		
		<u>Solubility Characteristics *</u>			
<u>Solvent</u>	<u>Solubility</u>	<u>Solvent</u>	<u>Solubility</u>		
Aromatics	Soluble	Esters	Soluble		
Ketones	Soluble	Aliphatics	Limited		

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

Kucryl OHA 12SN/70 has limited compatibility with other film formers other than polyisocyanates.

Areas of Use

Kucryl OHA 12SN/70 is recommended as a component in the formulation of the following *2 Component high solids* products:

- General industrial Primers and Enamels
- Pigmented or non-pigmented sealers for architectural finishes.

Application Methods

Kucryl OHA 12SN/70 is of use in the formulation of coatings applied by spray or roller.

Variants

Kucryl OHA 12SN/70 is available as a lower solids version Kucryl OHA 12SN/60.

Packaging

Kucryl OHA 12SN/70 is packaged in 190Kg net mild steel tight head drums.

Storage Stability and Safety

Kucryl OHA 12SN/70 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 Solvent Naphtha and, as such, 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.