

ANUCRYL HA-80

TECHNICAL DATA SHEET



INTRODUCTION	<p>ANUCRYL HA-80 is an associative thickener based on a hydrophobically modified alkali swellable emulsion (HASE) Chemistry. ANUCRYL HA-80 is swellable with alkali by associative mechanisms above pH of 8. It gives low shear high viscosity. It is associative rheology modifier that provides low-cost, high performance alternative to cellulosic thickeners in interior flat, sheen and satin latex paint.</p>
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APPLICATION	<p>ANUCRYL HA-80 can be used in structured paints and replace high molecular weight HEC in renders, plasters, etc. It is highly resistant to microbial attack.</p> <p>Textured paints applied in high thickness, the sag resistance is a key property, and formulators normally use high molecular weight HEC thickeners which deliver a high viscosity at low shear. We can recommend ANUCRYL HA-80 in these types of formulations.</p> <p>It could be incorporated either at the mill base stage, before or after addition of pigments and extenders to give consistency to the mill base or at the letdown stage. While adding at letdown stage, it is recommended to dilute 1:1 with water and added slowly to prevent any shocking to the latex.</p>
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NEUTRALIZATION	<p>A minimum of approximately 0.1 kg of 28% aqueous ammonia or 0.15 kg of AMP-90 or 0.3 kg of NaOH at 20% is required to completely neutralize all the acid groups in a wet kg of product supplied at 30% solids. Additional base may be required to achieve the required final pH.</p> <p>When ANUCRYL HA-80 is neutralized with base, it shows increment in the viscosity. Thickening begins at about pH 6 and solubilization is essentially complete at pH 7.</p>
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TYPICAL PROPERTIES	<table border="0"> <tr> <td>Appearance</td> <td>:</td> <td>Milky white liquid</td> </tr> <tr> <td>% Solid Content</td> <td>:</td> <td>30 ± 1</td> </tr> <tr> <td>pH (when packed)</td> <td>:</td> <td>2 – 4</td> </tr> <tr> <td>Brook Field</td> <td></td> <td></td> </tr> <tr> <td>Viscosity, Spindle no. 1/RPM 60@ 25^o C</td> <td>:</td> <td>< 50 Cps</td> </tr> <tr> <td>Specific Gravity @25^oC</td> <td>:</td> <td>1.05 – 1.07</td> </tr> <tr> <td>Mechanical stability</td> <td>:</td> <td>Good</td> </tr> </table>	Appearance	:	Milky white liquid	% Solid Content	:	30 ± 1	pH (when packed)	:	2 – 4	Brook Field			Viscosity, Spindle no. 1/RPM 60@ 25 ^o C	:	< 50 Cps	Specific Gravity @25 ^o C	:	1.05 – 1.07	Mechanical stability	:	Good
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SAFETY DATA	<p>Health Hazard: ANUCRYL HA-80 is acidic in nature and harmful if swallowed. Avoid contact with skin. Use protective clothing, hand gloves, goggles, safety shoes etc., while handling this material. In case of contact or splash on eyes, wash with enough water and consult a physician.</p> <p>Fire Hazard: ANUCRYL HA-80 is water-based and non-flammable.</p>
STORAGE	Store products in tightly closed original containers at temperatures recommended on the product label.
PACKAGING	240 Kg HDPE Drums/Tanker.
HANDLING PRECAUTION	Before using this product, consult the Material Safety Data Sheet (MSDS) for details on product hazards, recommended handling precautions and product storage.
DISCLAIMER	This information is given to the best of our knowledge. There is no legally binding assurance of certain properties for a specific purpose. The customer is responsible for determining whether the product and Information provided here is appropriate for his use or not. It is the sole responsibility of the customer to ensure that any proprietary rights and existing laws and legislation are observed.

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