

## Plastopal<sup>®</sup> EBS 400 I

Product Description	Plastopal EBS 400 I is a urea-formaldehyde resin solution for baking finishes, acid-cured finishes and nitrocellulose lacquers. - good general use for urea-formaldehyde resins - medium reactivity - compatible in many industrial coating formulations Urea-formaldehyde resin etherified with isobutanol, dissolved in isobutanol			
Key Features & Benefits				
Chemical Composition				
	Properties			
Typical Properties	Appearance Non-volatile matter Acid value Viscosity at 23°C Shear rate D Platinum-cobalt color number Density Free formaldehyde Organic solvent	% mg KOH/g cps s⁻¹ g/cm³ % %	resin solution ~ 62 ≤ 3 ~ 1400 – 1700 82.6 ≤ 50 1.00 ≤ 1.0 ≤ 35	
Dilutability	Dilutable in alcohols, esters, glycol ethers, glycolether acetates, aromatic hydrocarbons, methyl ethyl ketone, turpentine oil, and white spirit; insoluble in water.			
Compatibility (1:1, solids on solids)	Compatible with non-drying alkyd resins, acrylic resins, and nitrocellulose; limited compatibility with alkyd resin with drying fatty acids, melamine-formaldehyde resins, and saturated polyester resins; incompatible with dispersions. These typical values should not be interpreted as specifications. Dilutability and compatibility should be tested for each individual combination.			
	<ul> <li>Applications</li> <li>Plastopal EBS 400 I is used in baking and acid-curable finishes. It can also be used to formulate nitrocellulose coatings where it suppresses yellowing and imparts gloss.</li> <li>Plastopal EBS 400 I is recommended for applications such as: <ul> <li>Industrial baking enamels</li> <li>Nitrocellulose lacquers</li> <li>Conversion varnishes</li> </ul> </li> </ul>			
Processing	To ensure good film properties in acid-curable and baking finishes, Plastopal EBS 400 I should be plasticized with alkyd resins (preferably short to medium, non-drying, or semi-drying oil alkyds) or other resins.			
The alkyd resin should be carefully chosen because its type and proportion grainfluence the physical properties. The ratio of alkyd resin to Plastopal EBS 400 for baking finishes and 7:3 - 5:5 for acid-curable finishes, depending" on the intended application.			d resin to Plastopal EBS 400 I between 8:2 – 6:4	

	Safety		
General	The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care practices, and wearing of protective goggles.		
Safety Data Sheet	All safety information is provided in the Safety Data Sheet for Plastopal EBS 400 I.		
	Storage		

Please refer to the "Handling and Storage of Polymer Dispersion" brochure

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