

**ETHOCEL**™  
PREMIUM ETHYLCELLULOSE POLYMERS



The World's Preference in Organosoluble Polymers

ETHOCEL™, premium ethylcellulose polymers, have ideal properties for use in a variety of pharmaceutical applications. ETHOCEL™ is among only a very small number of water-insoluble polymers that are approved and accepted globally for pharmaceutical applications.

ETHOCEL™ is most frequently used as barrier membranes to achieve extended release in multiparticulate formulations, and also has use in matrix and other controlled release applications. Colorcon's global technical service infrastructure and applications expertise complements the ETHOCEL™ product line and is available for servicing your formulation needs at every step of the drug development process.

### Ideal for Pharmaceutical Applications

- Extended release multiparticulate coating, micro-encapsulation of actives
- Solvent granulation and binding properties
- Hot melt extrusion in extended release
- Good solubility in a range of organic solvents

### Formulation Flexibility

- Range of molecular weights that can be blended for intermediate viscosities
- Fine particle (FP) range for use in extended release inert matrix systems
- FP has improved lipophilic properties realized by the increased surface area
- Release profile modulation when used in combination with water-soluble excipients such as METHOCEL™ cellulose ethers

### Regulatory and Industry Acceptance

- Excellent safety record and widely used in pharmaceutical industry for over 50 years
- Global compendial acceptance and compliance with US Food Chemicals Codex and approved in Europe for dietary supplement use (Council Directive 2006/52/EC; E462)

### Colorcon Expertise and Services Complement ETHOCEL™ Product Strengths

- Dedicated Formulation Technologies team provide design expertise to meet unique applications
- Local technical support from Colorcon for applications advice, trials, scale-up and troubleshooting
- Polymer chemistry expertise, manufacturing capability and capacity from DuPont

Full supporting product and applications literature is available through the Colorcon website

### Contact your Colorcon representative or call:

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You can also visit our website at  
**www.colorcon.com**

## Deliver high-performance products — with Colorcon

Choose Colorcon, leader in pharmaceutical solid oral dose solutions, as a formulation partner in every phase of your product development. Our solution capabilities originate from two main areas of expertise:

### Formulation Technologies:

- Full range of functional excipients
- Technologies for development and production of delayed/enteric release and extended/controlled release tablets and multiparticulates
- HyperStart® service and extensive applications data to provide starting formulations to save you development time and money
- Extensive formulation know-how and technical support to achieve the exact drug release profile desired

### Film Coatings:

- Optimized formulations specifically for your application and regulatory needs including customized colors and color matching
- Innovative products for mechanical integrity, gloss, pearlescence, and environmental protection
- Brand enhancement concepts, consulting and services to build a strong brand image and stand out from the competition

From formulation and tablet design through product differentiation and branding, Colorcon gives you everything you need to deliver high-performance products.

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