

Colorcon provides a comprehensive range of optimized film coating systems and specialty excipients for immediate, delayed and modified release solid oral dosage forms, used for pharmaceuticals and nutritional supplements. Colorcon one-step, fully-formulated coating systems provide you with superior and dependable color finishes; available in clear, white or color-matched formulations

### Immediate Release Film Coatings

#### **Opadry<sup>®</sup>, Complete Film Coating System**

Original one-step, fully formulated coating for use with aqueous or organic solvent coating processes.

#### **Opadry<sup>®</sup> amb II, High Performance Moisture Barrier Film Coating**

Dry blend PVA-based system providing excellent moisture barrier performance, high coating productivity, low impurity levels, a smooth glossy finish and high definition logos.

#### **Opadry<sup>®</sup> QX, Quick+FlexiBle Film Coating System**

A high solids, low viscosity system that allows coating across a broad range of process parameters. Suitable for use in any type of coating equipment, Opadry QX results in reduced preparation and coating times with a premium quality finish.

#### **Opadry<sup>®</sup> II, High Performance Film Coating System**

Superior film strength, one-step coatings that deliver excellent core adhesion, and added gloss with shorter process times than our original Opadry.

#### **Opadry<sup>®</sup> fx<sup>™</sup>, Special Effects Film Coating**

Designed to create a high gloss, lustrous pearlescent finish. One, or two-step systems for use alone, or in combination with pigmented Opadry-based formulations.

#### **Nutraficient<sup>®</sup>, Food Supplement Coating**

Specifically designed for nutritional, herbal and dietary supplement products regulated as foods in Europe and Latin America, includes food approved, label-friendly raw materials.

### Enteric/Delayed Release Film Coatings

#### **Acryl-EZE<sup>®</sup>, Aqueous Acrylic Enteric System**

One or two-step systems for the enteric film coating on beads, tablets and granules. Combines the benefits and performance of a fully formulated system with the globally accepted enteric polymer EUDRAGIT<sup>®</sup> L 100-55, an Evonik product.

#### **Acryl-EZE<sup>®</sup> II, Optimized Aqueous Acrylic Enteric System**

*Powered by EUDRAGIT<sup>®</sup> L 100-55, an Evonik Product*

A high performance coating with reliable enteric protection at lower weight gains compared to Acryl-EZE systems. Suitable for use on multiparticulates or tablets, especially proton pump inhibitor (PPI) applications.

#### **Sureteric<sup>®</sup>, Aqueous Enteric Coating System**

An alternative fully-formulated dry powder system using poly-vinyl acetate phthalate (PVAP) as the pH dependent polymer for use when the active pharmaceutical ingredient is incompatible with acrylic polymers.

#### **Opadry<sup>®</sup> Enteric, Coating System**

A platform of coatings based on polyvinyl acetate phthalate (PVAP) or methacrylate for application with organic solvents. Suitable for highly moisture sensitive materials, with application using organic or hydro-alcoholic processing techniques.

## Extended/Controlled Release Systems

**Surelease<sup>®</sup>, Ethylcellulose Dispersion Type B NF**  
Aqueous coating systems using ethylcellulose as the release rate controlling polymer for multiparticulate, tablet and taste masking applications.

**METHOCEL<sup>™</sup>, Premium Cellulose Ethers**  
For the formulation of hydrophilic matrix systems, providing a robust mechanism for the slow release of drugs from oral solid dosage forms.

**METHOCEL DC2<sup>™</sup>, Premium Cellulose Ethers**  
Particle engineered excipient with improved flow properties, for use in dry powder processing of matrix tablets.

**ETHOCEL<sup>™</sup>, Premium Ethylcellulose Polymers**  
Available in a range of viscosity grades, for use in a variety of pharmaceutical applications. Used most frequently as a barrier membrane to achieve extended/controlled release in multiparticulate formulations.

*ETHOCEL<sup>™</sup> High Productivity (HP)  
Designed for dry powder layering process using rotor technology, for sustained release and taste-masking applications.*

**POLYOX<sup>™</sup>, Water-Soluble Resins**  
Non-ionic Poly (ethylene oxide) polymers for use in extended release applications including osmotic pump technologies, hydrophilic matrices, gastro-retentive and tamper resistant dosage forms.

*METHOCEL<sup>™</sup>/ETHOCEL<sup>™</sup>/POLYOX<sup>™</sup> are trademarks of The Dow Chemical Company.*

**Opadry<sup>®</sup> EC Ethylcellulose Organic Coating System**  
Opadry EC ethylcellulose organic coating is a controlled release film coating product, designed for solvent-coating of multiparticulates and tablets, for sustained release and taste-masking applications. It combines the proven performance of ethylcellulose with the coating and technical excellence of Colorcon

**Opadry<sup>®</sup> CA, Fully Formulated Osmotic Coating System**  
One-step semipermeable membrane coating system, incorporating the proven performance of cellulose acetate polymer for osmotic pump tablets.

## Core Excipients

**Starch 1500<sup>®</sup>, Partially Pregelatinized Maize Starch**  
Proven and trusted excipient for performance and versatility for tableting and capsule filling. Effective and economical use for low dose actives with disintegrant properties, and exhibits excellent stability for moisture sensitive drugs.

**StarCap 1500<sup>®</sup>, Co-Processed Starch Excipient**  
A free-flowing mixture of globally accepted excipients with disintegration and compression functionality for use in capsules and tablets.

**SUGLETS<sup>®</sup>, Sugar Spheres**  
Smooth, spherical surface, combined with low friability and high batch-to-batch uniformity provides the ideal substrate for drug loading. Used in delayed or extended release applications for drug layering of oral dosage forms. Available in a range of sizes.

**METHOCEL<sup>™</sup> Premium Cellulose Ethers (Low Viscosity)**  
Hypromellose (HPMC) and methylcellulose (MC) are used as binder in the wet granulation of tablets, and as thickening agents for cream, ointment and suspension formulations.

## Printing Inks

**Opacode<sup>®</sup>, Monogramming Inks**  
Finely dispersed, edible printing inks, organic solvent or water-based, used primarily in pharmaceutical applications. Opacode inks provide excellent adhesion properties resulting in sharp clean monograms.

## Colorants

**Opatint<sup>®</sup>, Liquid Color Concentrate**  
Fully formulated, liquid dispersion for coloring soft gelatin capsules and gummy-type products. FDA approved FD&C Dye and Lake or pigments of natural origin in a liquid vehicle base.

Contact your Colorcon representative or call:

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You can also visit our website at  
[www.colorcon.com](http://www.colorcon.com)



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