

Borchers® Dry 0411 HS US

Cobalt-free primary drier with high oxidative drying activity for low VOC coatings and printing inks

Physical Characteristics

Appearance	Brown liquid
Metal content	6.85 - 7.25 % Mn, M001
Viscosity	<= 3.000 cPs
Density	1.00 - 1.040 g/cm ³ D1963 (25 °C)
Solvent	Fatty acid ester

Features

- Provides rapid surface and through-drying properties for uniform cure
- Contains an organic accelerator component to provide enhanced activity compared to other cobalt-free primary driers
- Recommended for solvent-based systems only
- Used as a surface drier in clear and pigmented coatings systems to replace other primary driers, particularly cobalt

Applications

- Coatings
- Printing inks

Dosage

We recommend adding Borchers® Dry 0411 HS US after the pigment dispersion prior to adding an anti-skinning agent. Pre-thinning is not required. The dosage of Borchers® Dry 0411 HS US is dependent upon the type and quantity of the binder and should be experimentally determined. Typical starting point levels are 0.1 - 0.5 % by weight based on binder solids.

Borchers® Dry 0411 HS US is compatible with all other Borchers driers to improve dry characteristics.

- Add 24 % Zirconium Hex-Cem® to increase film hardness and improve through-dry.
- Add 10% Calcium Cem-All® to the pigment dispersion to improve storage stability.
- In printing ink systems, prevent skinning by replacing phenolic-based antioxidants or butanone oxime with our phenol and oxime-free antioxidant Ascini® Anti Skin 0444.

Storage

Protect from the effects of weathering and store at temperatures between 5 and 30 °C. Once opened, containers should be resealed immediately after each removal of the product.

Safety

Wear appropriate protective clothing when handling this product. Please refer to our safety data sheet for additional information related to safe handling and product safety.

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PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.