

Topcoat Requirements

The aesthetic finish will vary with each project design and is the responsibility of the project designer. The topcoat product chosen will vary depending on color and finish desired. Topcoat material is often written for the Intumescent Fireproofing Systems within the specifications for the project. To optimize this scope of work for the project for scheduling requirements and color choices, local sourcing of topcoat materials will likely be required. Contego is providing the following recommendations to meet this need.

- The surface of the Contego IFRM products must be clean and free from condensation, grease or any other surface contaminants that may interfere with the adhesion of the topcoat.
- A minimum of 5 days shall be allowed for the Contego IFRM to fully cure prior to the application of the topcoat material. Alternatively, a minimum Shore-D value of >50 is recommended prior to the application of a finish coat.
- Do not apply the topcoat material until the dry film thickness of the Contego IFRM has been measured and it is verified that the thickness meets the requirements of the fire resistance design.
- When applying a topcoat over the cured Contego IFRM with a brush or roller: limit back rolling and brushing. The act of reworking the surface can re-wet the underlying IFRM, causing localized softening, clumping, or film distortion.
 - To achieve a uniform topcoat with a brush or roller:
 - Apply in smooth, consistent passes in one direction with minimal overlap.
 - Avoid repeated passes over freshly applied topcoat, as this may disturb the base Contego IFRM layer and compromise adhesion.

Interior Application

- A topcoat is not required for Conditioned Interior Space Purpose and/or Interior General Purpose.
- If desired, for conditioned interior space, a quality acrylic latex topcoat may be applied in accordance with the specific manufacturer's instructions. Additional topcoats should be waterborne long oil alkyd resins, silicone alkyds, or other topcoats approved by Contego International or may be listed in the table below.
- If desired, for unconditioned interior space where protection against humidity and surface damage is a concern, apply a silicone alkyd marine enamel or aliphatic polyurethane topcoat to an average film thickness of 5.0 mils (0.13mm).

*The interior topcoat material must be applied in full accordance with the coating manufacturer's written instructions.

*If the Contego specific design listing being followed requires a topcoat contact Contego International for further assistance in product changes and/or removal recommendations.

Exterior Application

- A topcoat is **ALWAYS REQUIRED** for Exterior and Unconditioned Space application of Contego IFRM coatings.
- A topcoat must be applied to fully cured Contego IFRM coatings prior to the substrate being exposed to rain, dew, high humidity, etc. Contego IFRM coatings **MUST** reach >50 Shore-D hardness prior to topcoat being applied.
- Topcoat must fully encapsulate Contego IFRM coating without voids. A minimum of two coats (6-8 mils DFT) of the chosen material is recommended.
- In fully exposed areas where steel is not under roof a topcoat system of 6-8 mils DFT of a compatible Epoxy coating followed by 6-8 mils DFT of a compatible Polyurethane are recommended for longevity of the coating system.
- Regular monthly visual inspections of the coating system post application are highly recommended by Contego to ensure exterior/unconditioned space applications are maintained without defect.
- Exterior/unconditioned space topcoat **MUST** be maintained for the life of the structure to ensure longevity of fire protection system.
- Penetrations of the topcoat system due to post application attachments must be sealed properly to ensure moisture does not penetrate coating system around or through attachment.

*The topcoat material must be applied in full accordance with the coating manufacturer's written instructions.

*If Contego IFRM coatings are exposed to weather conditions without a proper topcoat or in cases where topcoat is not maintained or applied correctly coating system failure will occur.

*If the Contego specific design listing being followed requires a topcoat contact Contego International for further assistance in product changes and/or removal recommendations.

Manufacturer	Product Description	Interior	Exterior
BEHR	Interior Alkyd Semi-Gloss NO. 3900	X	
BEHR	Marquee Interior Semi-Gloss Enamel 3400	X	
Benjamin Moore	Impervex Latex High Gloss Enamel 309	X	
Benjamin Moore	Ultra Spec 500 N538	X	
Cloverdale	ArmourShield 8475: Semi-Gloss	X	X
Cloverdale	ArmourShield 839: High Gloss	X	X
Dulux	Lift Master Interior Acrylic 59311	X	
PPG	Speedhide 6-500 Series	X	
PPG	Speedhide Series 6-70	X	
PPG	Speedhide Zero 6-4310 Series	X	
PPG	Speedhide Zero Latex Eggshell 6-411	X	
PPG	Ultra Hide 150 1210-0100G Series	X	
PPG	Amershield™ Low VOC	X	X
PPG	Amerlock® 2 VOC Fast Dry	X	X
PPG	Coraflon Urethane Mastic ADS650	X	X
Sherwin Williams	Acrolon 218 HS B65-600 Series	X	
Sherwin Williams	METALATEX SEMI-GLOSS B42-100 SERIES 100%	X	
Sherwin Williams	Pro Industrial Acrylic Gloss B66-600 Series	X	
Sherwin Williams	Pro Industrial DTM Acrylic Primer - Finish B66	X	
Sherwin Williams	ProMar 200 B31-2600 Series	X	
Sherwin Williams	Sher-Cryl HPA	X	
Sherwin Williams	Steel Master 9500 B56-300 Series Silicone	X	
Sherwin Williams	Pro Industrial WB Catalyzed B73-300 Series	X	
Sherwin Williams	Hi-Solids Polyurethane 250	X	X
Sherwin Williams	Pro Ind. Acrolon 100 B65-700 Series	X	X
Tnemec	Enduralume Series 1077	X	
Tnemec	Endura-Shield Series 73	X	
Tnemec	Enduratone Series 1028 HDP	X	
Tnemec	Uni-Bond DF Series 115	X	
Miller Paint	Acrimetal DTM Low Sheen Acrylic Primer/Finish	X	
Miller Paint	Acro HP Acrylic Semigloss	X	
Miller Paint	Acrinamel Acrylic Enamel Semigloss	X	
Vista Paint	8400 Carefree Semi-Gloss	X	
Vista Paint	9800 Protec Semi-Gloss	X	

*Please contact the Contego International Technical Services Department at 800-434-6444 or
info@contegointernational.com for further assistance or for the use of topcoats other than those listed.
www.contegointernational.com