



International Fireproof Technology Inc.

The Ultimate in Firestop Solutions and Fire Protective Coatings

www.painttoprotect.com

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“Best Practices” for the Application of DC315 in Unconditioned Spaces

IFTI has developed this guide for use by code and inspection authorities, architects, specifiers, contractors, installers or any end user of DC315 and is intended to AID IN determining the requirements of the various application considerations that may be needed to address any expected environmental conditions. PLEASE do not hesitate to call us at 949-975-8588 or email us at ptp@painttoprotect.com for any assistance or advice.

DC315 is designed as an interior Alternative Thermal Barrier Coating used to protect spray foam insulation from the interior conditioned space of a building. DC315 can also be used in many different applications such as cold storage, parking garages and agricultural buildings by following a few additional steps to address these types of environments. When installing DC315 in unconditioned spaces the coating and the SPF are exposed to variations in environment that needs to be accounted for by the installer/end user, when designing the full system. Care needs to be taken to ensure that the correct products are specified based on the expected service or environmental conditions.

Topcoats are not required to meet the certified fire testing however should be considered for use where/when conditions warrant the use as determined by code and inspection authorities, architects, specifiers, contractors, installers or any end user of DC315 based on end use requirements.

This guide does not purport to address all unconditioned or conditioned environmental concerns if any, associated with a specific project.



Following are some examples of different applications outlining the various environmental considerations that may be present. Prior to installing DC315 in ANY unconditioned space contact IFTI to discuss “Best Practices”



Parking Garages: Due to the ever- changing environment in parking garages it is imperative applicators/end users discuss your intended use with code and inspection authorities, architects, specifiers, contractors, installers or any end user of DC315 to ensure all conditions are identified and planned for. Please do NOT HESITATE to contact IFTI to discuss the application. In cases where there is potential for high humidity, condensation, or lack of airflow (HVAC conditioned air flow) IFTI’ s “Best Practices” would be to apply a topcoat to protect against moisture and ensure the long term durability of the assembly.



Freezer and Refrigerated Storage Swimming Pools and High Humidity Applications: These environments have a great potential for condensation and or high humidity. In addition, many refrigerated storage areas are subject to washing to meet local food contact laws or codes. The application of a topcoat will protect the DC315 from these environments. There are many topcoat options you may use so we recommend discussing the specifics with the topcoat manufacturers and with code and inspection authorities, architects, contractors, installers or any end users to ensure your choice will meet the needs of the intended end use conditions. **Please do NOT HESITATE to contact IFTI to discuss the application**



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When using DC315 to meet NFPA285 Continuous Insulation/Exterior Air Barrier Projects (Installed Under Cladding): DC315 has been evaluated by ICC-ES to NFPA285 standards, for use over SPF insulation applied on the exterior side of a wall assembly when it will be covered by a cladding material. This evaluation includes fire testing, weathering and durability to ensure the long-term protection of this system. Use in these applications require that a protective topcoat is applied over the DC315. Sher-Cryl High Performance Acrylic from Sherwin Williams, or similar products have been tested and protect DC315 in these applications. Apply DC315 to the tested thickness for the SPF system being installed, allow to dry for at least 8 hrs. depending on ambient conditions before applying the topcoat.

*Topcoats have been investigated as to not reduce the fire resistance rating of the DC315 intumescent coating. Topcoat manufacturers, Authorities Having Jurisdiction, Architects, Engineers, Specifiers and End Users, should be consulted as to the requirements covering the installation and end use conditions for your specific project, such as suitability for the environment of any topcoat application.

DC315 has been used successfully in hundreds of unconditioned space applications. IFTI requires with any installation of DC315 or any of its products, to contact IFTI with application questions and to work with local code and inspection authorities, architects, contractors, specifiers, installers or any end user

DC315 “The Proof is in the Testing”

ALL installation documents are available on our website <http://www.painttoprotect.com> or contact us at ptp@painttoprotect.com or Call us at 949-975-8588.

