



DC 315 Class I, II and III vapor barrier compliance on Open Cell Foam

Please check with your local AHJ to confirm what permeance is required for your application and climate zone.

DC315 has been tested in accordance with ASTM E96 to determine vapor permeance. Test report TJ5066-2 conducted by IAS accredited lab QAI on 18 mils WFT of DC315 resulted in a perm rating of 8 which qualifies DC315 as a **Class 3 vapor retarder**. DC315 can be applied over SPF insulation to meet code requirements in climate zones that allow for a Class 3 Vapor Retarder while also providing the code required thermal or ignition barrier of the SPF insulation. In situations where an Ignition Barrier is required, 4 Mils Wet Film of DC315, the application of an additional vapor retarder coating would be required, alternatively by applying 18 Mils WFT may save labor and costs associated with purchasing and applying another coat of a vapor retarder coating.

For Climate Zones 5, 6, 7, 8 and Marine 4 where a Class I or II vapor retarders are required on the interior side of frame walls, DC315 has been fire tested over primers, including paintable vapor retarder coatings, that are tested to provide the required retarder class number. This assembly provides the required barrier to moisture transmission while still ensure the fire protective properties again meet the required thermal or ignition barrier. **By applying the vapor retarder coating prior to the DC315 it will allow for a greater spread rate as the primer will seal the surface of the OC SPF and reduce the loss of DC315 into the porous substrate.**

As a contractor you have several options to comply with the codes

- 1) Assemblies in a climate region needing to meet Class 3, apply DC315 at 18 Mils Wet Film to meet Class 3 or coat with 4 Mils Wet Film to meet AC377 Ignition Barrier and prime with a paintable vapor barrier.
- 2) Assemblies in a climate region needing to meet Class 2 or less , apply a tested vapor barrier coating such as Sherwin Williams moisture vapor barrier Interior Latex Primer/Finish B72W00001 coating, allow to dry for 1 hour and then apply the DC315 at the applicable spread rate to meet the requirements of AC377 Appendix X for ignition barriers or NFPA 286 for thermal barrier.
- 3) Apply an SPF that meets AC377 Appendix X and the vapor barrier class required in the specific climate region.

Products that provide less than a Class 3 or not allowed to be installed on the cold side of the insulation so using DC315 with a perm rating of Class 3 ensure applicators are able to use DC315 in all climate zones without conflicting with code requirements.

Please contact us at 949-724-5056 or email ptp@painttoprotect.com if we can be of any other assistance.