

PRODUCT DESCRIPTION

XCoat HC-4085-FR is a hard coat laminate designed as a solid, high-modulus, zero-VOC, styrene-free, rigid/non-foam elastomeric coating with fire retardant properties. This laminate provides a solid structure which chemically bonds to the gel coat and structural foam. This laminate can be used as the barrier or bonding coat between the gel coat and structural foam as well as the final protective laminate of the composite structure.

X COATINGS COMPOSITE SYSTEM

X Coatings offers a structural composite comprised of multiple laminates. The engineered sandwich construction provides a structurally solid composite which offers high strength, toughness, and a durable custom show surface. Each laminate in our composite structure, is a zero-VOC, styrene-free, 2-component liquid reactive solution, applied via high pressure metering equipment, formulated at a convenient a 1:1 ratio by volume. Our system can be manually or robotically sprayed onto the mold. The X Coatings composite system eliminates the need for external heat sources such as heated ovens or tunnels to initiate cure and significantly decreases cycle times resulting in an increase in productivity.

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These Products are for "Professional Use Only" and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data, instructions, and project specific recommendations.

Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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Revision 20250811.JC

TECHNICAL DATA

Tensile Strength (psi)	9,000 ± 1,000
Elongation (%)	5 ± 2
Tear Resistance (pli)	500 ± 100
Hardness (Shore D)	85 ± 2
Flex Modulus (psi)	350,000 ± 50,000
Mixing Ratio (A-B) by volume	1:1
Gel time @150-160°F (66-71°C)(seconds)	5 ± 2
Viscosity:	
A-Side (@75°F-80°F) (24-27°C)	1,000 ± 300
B-Side (@75°F-80°F) (24-27°C)	2,000 ± 500

PACKAGING & STORAGE

XCoat HC-4085-FR is supplied in pails, drums or totes. Once a container has been opened, care should be taken to exclude moisture. The most favorable temperature for storage is 25-35°C (77-95°F). If stored at higher temperatures, or if moisture is not excluded, an undesirable increase in viscosity will occur.

SAFETY & PRECAUTIONS

This product contains Isocyanates.