

COLPHENE® H-EV

Hot Applied Rubberized Asphalt Waterproof Membrane

PRODUCT DATA SHEET PD10421 REV. 231206



APPLICATIONS

WATERPROOFING

DESCRIPTION:

COLPENE H-EV is a 100% solid thermoplastic polymer modified rubberized bitumen which forms a completely monolithic, waterproofing barrier. Unlike COPENE H, COLPHENE H-EV has 25% recycled material.

BASIC USES:

COLPENE H-EV is designed for applications such as plaza decks, IRMA® roofs, green roofs and between slab waterproofing membrane systems.

PACKAGING:

30 lb. carton (Product #: W607)

COVERAGE RATE:

90 mils = 0.565 lbs per sq ft
125 mils = 0.785 lbs per sq ft
215 mis = 1.35 lbs per sq ft

COLOR:

Black

VOC CONTENT:

0 g/L

EQUIPMENT GUIDELINES:

A double-jacketed, hot-air or oil bath melter with mechanical agitation, designed for hot rubberized asphalt materials is required. Maintain oil-bath at approximately 500°F and material temperature at 380°F to 400°F, with constant agitation. Targeting not to exceed four hours at 400°F of **Colphene H-EV** in the melter.

Overheating of **Colphene H-EV** will lead to cross-linking that will adversely affect the equipment and the material performance properties.

LIMITATION:

- Not to be applied to damp or wet substrates.
- Concrete should be allowed to cure a minimum of 28 days prior to application.

APPLICATION:

Refer to the **COLPHENE H-EV** application guidelines for complete details.

WARRANTY:

Please refer to www.SOPREMA.us for the SOPREMA Standard Warranty, Form 115, or contact SOPREMA at 800.356.3521 for more information.

CLEAN UP:

Cooled material can be removed mechanically and with hydrocarbon solvents such as xylene or mineral spirits.



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ATTRIBUTES	COLPHENE H-EV
Fully reinforced application, mils (mm) @ 0.6 lb/ft ² (4.4 kg/m ²)	90 (4.5)
One layer of SOPRAFLASH R, mils (mm) @ 0.9 lb/ft ² (2.9 kg/m ²)	125 (3.1)
Non-reinforced application, mils (mm) @ 1.2 lb/ft ² (5.8 kg/m ²)	180 (4.5)

PROPERTY	VALUE	TEST METHOD
Recommended application temperature, °F (°C)	380-400 (193-204)	CGSB 37.50-M89
Flow @ 140°F (60°C), mm	0	CGSB 37.50-M89
Solids content, %	100	ASTM D1353
Cone penetration @ 77°F (25°C), mm	44	CGSB 37.50-M89
Cone penetration @ 122°F (50°C), mm	145	CGSB 37.50-M89
Toughness, joule	13.6	CGSB 37.50-M89
Toughness ratio, J/N	0.042	CGSB 37.50-M89
Adhesion Rating	Pass	CGSB 37.50-M89
Water vapor permeance, perms (ng/Pa•m ² •s)	0.026 (1.5)	ASTM E96
Water absorption, g	Gained 0.28	CGSB 37.50-M89
Low temperature flexibility, -13°F (-25°C)	Pass	CGSB 37.50-M89
Crack bridging, -13°F (-25°C)	Pass, 10 cycles	CGSB 37.50-M89
Heat stability, 5 hours	Pass	CGSB 37.50-M89
Viscosity at application temperature, sec	9	CGSB 37.50-M89
Flash point, C.O.C., °F (°C)	620 (327)	ASTM D92

* Data is represented by average values, unless noted otherwise.
Meets CAN/CGSB-37.50-M89 Criteria for Miami-Dade Approval

