

# COLPHENE® H

Hot Applied Rubberized Asphalt Waterproof Membrane

PRODUCT DATA SHEET PD10053 REV. 006121



APPLICATIONS

WATERPROOFING

## DESCRIPTION:

**COLPENE H** is a 100% solid thermoplastic polymer modified rubberized bitumen which forms a completely monolithic, waterproofing barrier.

## BASIC USES:

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

## PACKAGING:

30 lb. cartons (Product #: W602)

## 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 in the melter.

Overheating of Colphene H 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** application guidelines for complete details.

## WARRANTY:

Please refer to [www.SOPREMA.us](http://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
Fully reinforced application, mils (mm) @ 0.6 lb/ft <sup>2</sup> (4.4 kg/m <sup>2</sup> )	90 (4.5)
One layer of SOPRAFLASH R, mils (mm) @ 0.9 lb/ft <sup>2</sup> (2.9 kg/m <sup>2</sup> )	125 (3.1)
Non-reinforced application, mils (mm) @ 1.2 lb/ft <sup>2</sup> (5.8 kg/m <sup>2</sup> )	180 (4.5)

PROPERTY	VALUE	TEST METHOD
Recommended application temperature, °F (°C)	380-400 (193-204)	CGSB 37.50-M89
Flow, mm @ 140°F (60°C) (maximum)	≤ 3	CGSB 37.50-M89
Solids content, %	100	ASTM D1353
Cone penetration, 77°F (25°C) (maximum)	110	CGSB 37.50-M89
Cone penetration, 122°F (50°C) (maximum)	200	CGSB 37.50-M89
Toughness, joule min	5.5 joule	CGSB 37.50-M89
Toughness ratio, min	0.04	CGSB 37.50-M89
Adhesion, min	1	CGSB 37.50-M89
Water vapor permeance, perms (ng/Pa•m <sup>2</sup> •s) (maximum)	0.027 (1.7)	ASTM E96
Water absorption, g	0.35 max gain or 0.18 max loss	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	2 - 15 sec	CGSB 37.50-M89
Flash point, C.O.C., °F (°C)	500 (260) min. or 45 (25) min. above recommended application temperature	ASTM D92
Hydrostatic pressure resistance, ft (m) of water psi (N/m <sup>2</sup> )	440 (134) 191 (1315)	ASTM D751, Procedure A and Procedure 1

\* Data is represented by average values, unless noted otherwise.

