

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

COLPHENE H is a hot applied, rubberized asphalt composed of a select blend of refined asphalts, recycled rubber and inert extenders. COLPHENE H is used in horizontal and vertical waterproofing of plazas, podiums, decks, planters, tunnels, underground vaults, bridges, foundation walls, garden roofs and parking garages. COLPHENE H is also used in IRMA configurations.

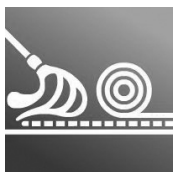
STORAGE

Store on end and maintain in an upright position to prevent damage. Store product in a well-ventilated location away from all sources of heat and ignition, and cover as necessary to protect from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of COLPHENE H.

APPLICATION

Bring COLPHENE H to a consistent temperature of 350°F to 400°F (176.6°C to 204.4°C), paying close attention to not overheat. COLPHENE H is then applied to approved, compatible substrates using a smooth squeegee. Refer to SOPREMA's specifications and installation instructions for additional application guidelines.

APPLICATION



HOT ASPHALT

QUICK FACTS

COVERAGE (mils)	COVERAGE (mils)	COVERAGE (mils)	COVERAGE (lb)	WEIGHT (lb)
90 base layer	125 top layer	180 non-reinforced	1.35 per square foot	30 (13.6 kg)

* Coverage rate as reported assumes installation using side and end lap recommendations.

TECHNICAL INFORMATION & TESTING

COVERAGE RATES

Fully reinforced application, mils (mm) @ 0.6 lb/ft2 (4.4 kg/m2)	90 (4.5)
One layer of SOPRAFLASH R, mils (mm) @ 0.9 lb/ft2 (2.9 kg/m2)	125 (3.1)
Non-reinforced application, mils (mm) @ 1.2 lb/ft2 (5.8 kg/m2)	180 (4.5)

PHYSICAL PROPERTIES

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•m2•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 ²)	440 (134) 191 (1315)	ASTM D751, Procedure A and Procedure 1

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

TESTING & APPROVALS



FLORIDA BUILDING CODE

