



SOPRACOLLE "E"

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Order No. A20068

DESCRIPTION

Sopracolle "E" is a blend of styrene, ethylene, butadiene and styrene with specially selected compatible asphalt. This blend produces an asphalt product that displays superior impact resistance flexibility; toughness and elastic characteristics compared to conventional Type III or Type IV roofing asphalts.

APPLICATION INSTRUCTIONS

Acceptable substrates include concrete; steel, wood, plywood and acceptable existing asphalt BUR roof assemblies. Acceptable cover boards include acceptable gypsum board, perlite, high density wood fiberboard and Sopraboard.

Sopracolle "E" modified mopping asphalt is heated in a conventional kettle with circulating pump with kettle (double liner not required) temperatures not exceeding 500° F (260° C). When specified, Sopracolle "E" modified mopping asphalt is used to adhere base and ply sheets together to form a vapor retarder or an air seal barrier to properly prepared and primed acceptable monolithic deck substrates or onto an anchor board or sheet.

On steel decks, flat stock thermal insulation layer(s) are typically mechanically fastened to the steel deck followed by additional thermal insulation layers and/or cover boards being fully bonded onto the "base layers" using Sopracolle "E" modified mopping asphalt. Sopracolle "E" modified mopping asphalt is then used to adhere base and ply sheets together to form a vapor retarder or an air seal barrier.

Sopracolle "E" modified mopping asphalt recommended point of application must not exceed between 440° F to 490° F (225° to 255° C). Sopracolle "E" is used to adhere either multiple layers of base and ply sheets or acceptable SBS membranes. Embed each ply in a solid mopping of Sopracolle "E" at a rate of 25 lbs./sq (1.2 kg/m²). Do not extend Sopracolle "E" modified mopping asphalt further than four (4') feet (1.2m) in front of the membrane roll.

EVT application temperature is 455° F (235° C). Cooler asphalt temperatures may result in inadequate adhesion and/or excessively heavy mopping. Sopracolle "E" modified asphalt coverage rates may vary because of asphalt temperature, application method employed and the technique of roof mechanic applying the product.

APPROVALS

See Underwriters Laboratories Inc. File #R11436, FM Approvals, ICC/ES, Miami-Dade County or Florida Building Code Product Approval Listings for current Approved Roof Assembly combinations. Soprema is ISO 9001:2000. Sopracolle "E" meets or exceeds the requirements of ASTM D6152, "SEBS Modified Mopping Asphalt Used in Roofing". See published Specifications and Approved Details.

WARRANTY

Contact your local Soprema representative for project warranty offerings.



TECHNICAL INFORMATION

SOPRACOLLE "E"

Physical Properties per ASTM D6152

TYPICAL TEST RESULTS	Before Heat Exposure	After Heat Exposure
Softening Point deg C	105	105
Penetration @ 25C	48	48
Flash Point deg C	<300	
Solubility in Trichloroethylene	99%	
Tensile Elongation	>1000%	
Elastic Recovery	>80%	
Low Temp Flexibility	Pass @ -10C	

EquiViscous Temperature (EVT) for Sopracolle "E" is 235 °C (455 °F)

Application Temperature: 225-255 °C (440 to 490 °F)

Test results for manufacturing plant in Wadsworth, OH