APPLICATION GUIDELINES

COLPHENE® BSW H

COLPHENE BSW H is 140 mil waterproof membrane used for pre-applied, under slab waterproofing in and out of the water table and is composed of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and reinforced with a polyester and glass fiber composite reinforcement.

HEALTH & SAFETY

The contractor shall ensure compliance with OSHA, EPA and other local governing and disposal authorities for project-related safety and environmental requirements. Prior to application, persons handling or applying COLPHENE BSW H membrane should familiarize themselves with the applicable Product Data Sheets (PDS), Safety Data Sheets (SDS), specifications, and application instructions. Refer to product SDS for health, safety, and environment related hazards, and take all necessary measures and precautions to comply with specified exposure limits where required. The applicator is responsible for ensuring conditions are appropriate to proceed and proper application methods are followed. When applying COLPHENE BSW H membrane typical exposure levels will be below OSHA permissible limits for most outdoor applications.

STORAGE & HANDLING

Store rolls on end and maintain in an upright position to prevent damage. Store rolls in a clean dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, and moisture. Rolls may be stored outside but must be conditioned to room temperature before installing if storage place is below 50°F (10°C).

SUBSTRATE PREPARATION

Substrate must be compact crush stone or earth base with typically No. 57 stone compacted to 85% proctor density, or mud slab with either substrate type designed per engineer requirements. Substrate should be even without depressions, protrusions or foreign material that could cause damage to the COLPHENE BSW H membrane during installation or by other subsequent trade traffic. Do not proceed with the installation of the specified waterproofing assembly until all surface deficiencies and unsatisfactory conditions have been corrected.

DUO SELVEDGE Edges

When working with the SOPREMA DUO SELVEDGE edge overlap the edge of the second roll up to the pre-marked 4" chalk line on the first roll and remove the release papers from both sheets. Press the top roll down into the exposed self-adhering finish. This will ensure the rolls are installed straight along the entire roll before heat welding permanently.

NON-DUO SELVEDGE Edges

The ends of rolls that are non-DUO SELVEDGE edges should be overlapped a minimum of 6" with a minimum of 4" of that overlap heat welded with an 1/8" bleed out onto the adjacent membrane.

APPLICATION

1. Install as specified the SOPRADRAIN™ drainage mat with the filter fabric side down to the substrate loose laid using the fabric flange to overlap the sides of each roll.
2. Unroll the COLPHENE BSW H and lose lay it flat with the sanded side up, onto the horizontal surface of the drainage mat or other prepared surface without wrinkles and then install the next sheet of COLPHENE BSW H by overlapping the duo salvage edge up to the 4" chalk line of the first sheet. Remove the release paper from both rolls and allow the rolls to self-adhere to each other with hand pressure. Heat weld the remaining 2" of the overlap leaving a minimum 1/8" bleed out onto the adjacent membrane while rolling the seam with a minimum 40 lb. roller.
3. Subsequent rolls should also be aligned along the 4" (101mm) chalk line while ensuring all laps are firmly adhered and that there are no voids or wrinkles.
4. End laps must be overlapped a minimum 6" (152mm) while being staggered a minimum of 12".
5. Rips and holes in the membrane must be patched with heat welded COLPHENE BSW H. The patch must be at least 6" (150 mm) larger than the affected surface.
6. If a second layer of COLPHENE BSW H is needed, it must be fully torched and applied perpendicular to the first layer.
7. Refer to our standard SOPREMA drawings for layering, materials and measurements for specific detail work such as pile caps and penetrations.
8. After detail work has fully cured, or set, the installation is available for flood testing as required. Flood testing is typically conducting using ASTM D5957 Standard Guide for Flood Testing Horizontal Waterproofing Installations.

REV. 220112