

## COLPHENE® BSW V

COLPHENE BSW V is 120 mil waterproof membrane used for blind side 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 V 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 V 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

Any vertical surfaces to receive COLPHENE BSW V such as treated earth, wood lagging, sheet piling and concrete must be flat with no protruding objects that could penetrate or damage the waterproofing membrane and must not contain any gaps larger than 1/2" (12mm). Approved concrete, plywood, insulation or other facing can be used to create a flat surface across sheet piling and lagging gaps to provide support for the COLPHENE BSW V. SOPREMA's SOPRADRAIN™ 102 and 104 may also be used to span gaps up to 2" in lagging prior to the installation of the COLPHENE BSW V.

### DUO SELVEDGE Edges

When working with the SOPREMA DUO SELVEDGE edge overlap the side 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 fabric side facing the dirt with minimum 3 fasteners with seam plates per roll along the top and overlap each roll using the side fabric flange.
2. Peel back the first 6" of release film from the top edge of the back side of the COLPHENE BSW V to assist the fastening placement.
3. Install fasteners through the COLPHENE BSW V and the drainage mat and into the lagging 3" down from the top edge of the roll with a minimum of three, #12 fasteners, with 2" seam plates per sheet width.
4. Cut the COLPHENE BSW V to fit tightly around any penetrations through the lagging wall. These will be detailed later.
5. Remove the remaining release film from backside of the COLPHENE BSW V roll and adhere it to the drainage mat.
6. Continue with subsequent rolls in the same manner while overlapping the previous roll to the pre-marked 4" chalk line remembering to remove all of the release film from the backside each time and hand pressing the roll into place.
7. Each side overlap should now be 4" wide with a 2" loose flap.
8. Heat weld the last 2" of the side lap and apply pressure to create a 1/8" minimum bleed out.
9. Any end laps created must be overlapped a minimum 6" with at least 4" heat welded with 1/8" minimum bleed out.
10. Rips and holes in the membrane must be patched with heat welded COLPHENE BSW V. Remove the release film and hand press the patch into place first followed by a full heat welding. The patch must be at least 6" (150 mm) larger than the affected surface.
11. Refer to our standard SOPREMA drawings for layering, materials and measurements for specific detail work such as tie-backs and pipe penetrations.