

APPLICATION INSTRUCTIONS

GUARDIAN TANK BOOT SEALING SYSTEM (TBSS)



PURPOSE:

For the corrosion protection and waterproof sealing of storage tank bases, for new & refurbishment to existing installations.

EQUIPMENT LIST:

Tape measure, power wire brush, scraper, cleaning solvent, masking tape, paint brush, utility knife, silicon roller, cleaning cloths, protective clothing, eye mask & gloves.

SUBSTRATE PREPARATION:

The concrete and steel substrates must be dry, free from grease deposits, surface dust/dirt & any other deleterious materials. The substrates shall be solvent wiped with a clean cloth to remove any contamination. In accordance with ISO 8501-1 (St2 Cleanliness) utilizing a power wire brush to remove all scale, loose rust and other surface contaminants.

High Pressure Water Blasting can be used (optional)

SYSTEM - INDIVIDUAL PRODUCTS:

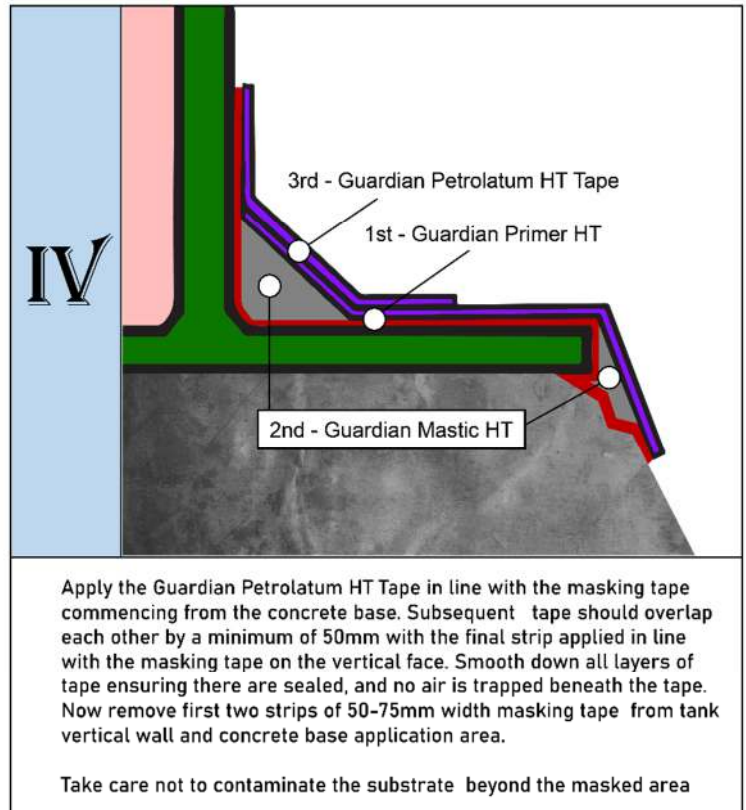
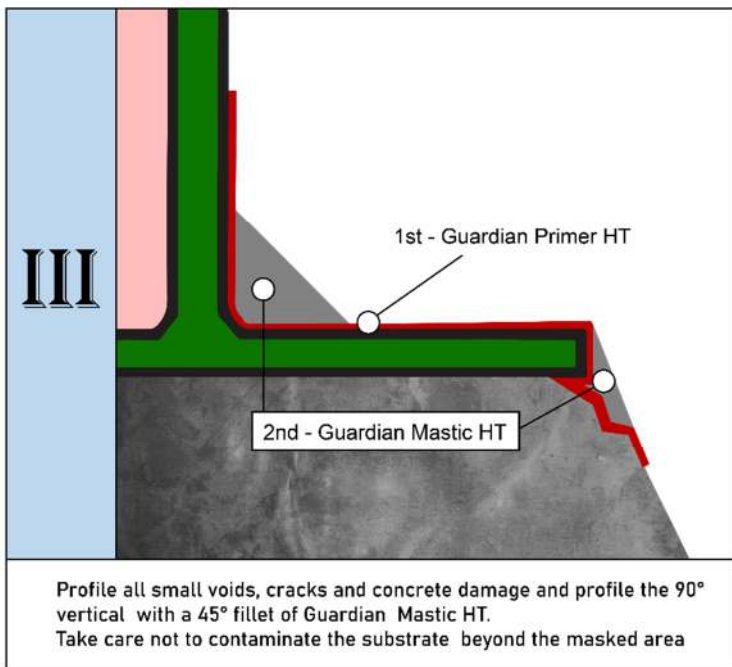
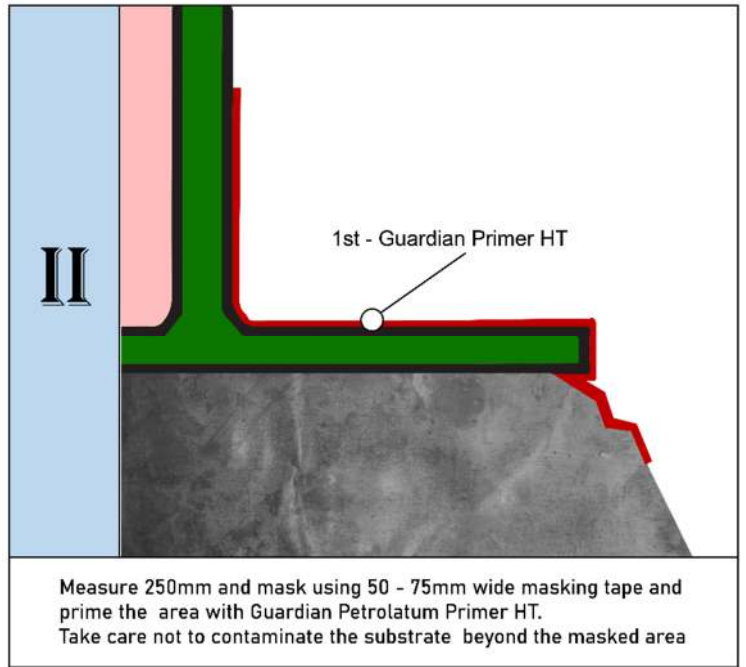
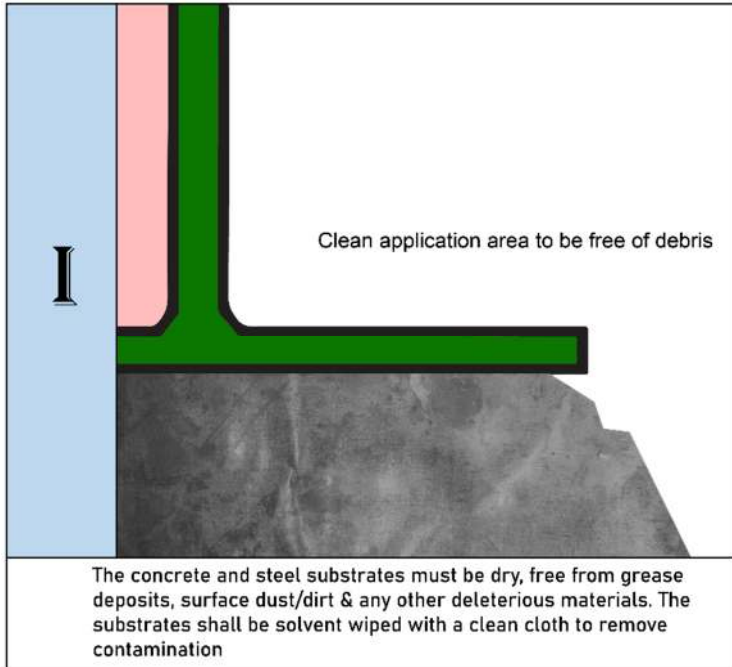
- Guardian Petrolatum Primer HT
- Guardian Mastic HT for profiling and filling voids
- Guardian Petrolatum Tape HT
- Guardian Primer P27 (Butyl Primer)
- Guardian FB1000 Tape
- Guardian Elastoshield Acrylic Topcoat

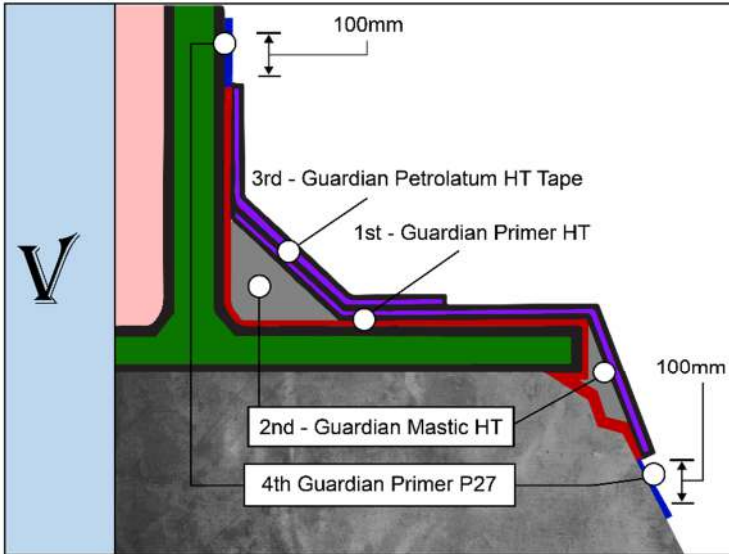
Tank base profiles / design can vary therefore the illustrations contained within these application instructions are not representative of scale and are intended to be used as a guide only. The specific requirements of each component shall be determined by the action works to be completed and design of tank plinth/support structure.



APPLICATION PROCESS:

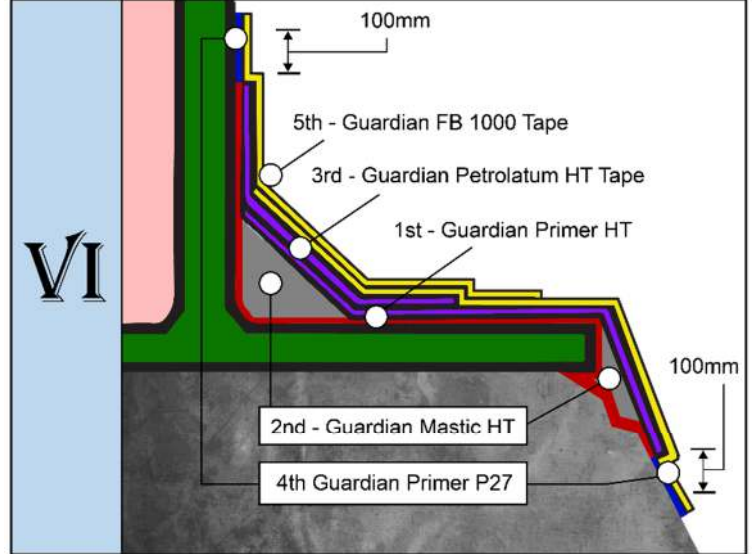
Upon completion to cleaning all substrates, measure and mask the area the required areas prior to the application of the Guardian Petrolatum Primer HT. The masking would typically be 250mm from the tank base circumferentially on the tank vertical face and circumferentially onto the tank support base (concrete). Masking is necessary to prevent contamination of the surface to be protected with the Guardian FB1000 Tape. After the Guardian Petrolatum HT Tape has been applied the masking tape can be removed.





Measure and mask top and bottom allowing for the application of a 100mm strip of Guardian Primer P27 as shown in blue color. Brush apply primer and allow to dry (approx 15-20 minutes).

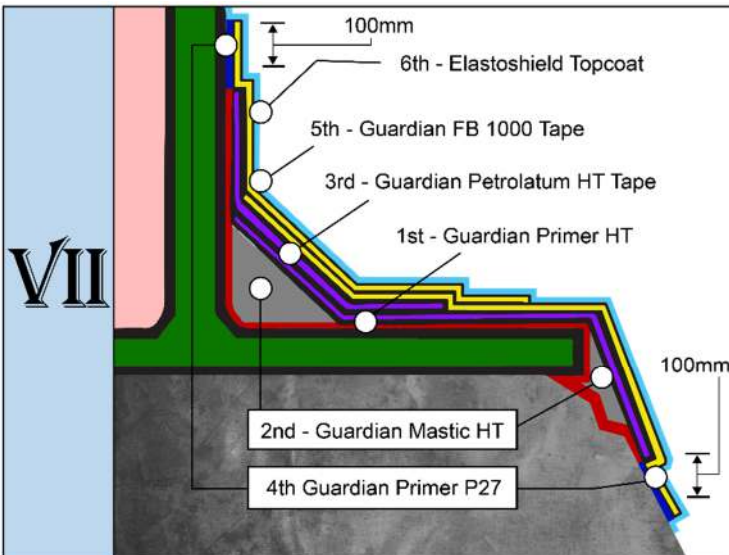
Now remove first two strips of 50-75mm width masking tape from the tank vertical wall and concrete base application area.



Apply the Guardian FB1000 Tape starting from the concrete base carefully aligning the grey butyl adhesive with the outer edge of Guardian Primer P27.

Subsequent tape should overlap each other by a minimum of 50mm providing a weatherboarding effect. As per the first later of tape, the last layer of tape on the tank vertical face shall be carefully positioned with the grey butyl adhesive aligned with the edge of Guardian Primer P27.

Smooth down the Guardian FB1000 Tape with a roller ensuring adherence to primed surface and all overlap areas. The tape shall be free of any air entrapment.



Apply two (2) coats approximately 500-750 microns each of the Guardian Elastoshield Acrylic Topcoat directly onto the Guardian FB1000 Tape ensuring the white fleece backing is fully covered
Note: Allow a drying time of approximately 10 minutes between coats of Guardian Elastoshield Acrylic Topcoat

FINAL INSPECTION:

Ensure that the entire surface to be protected is covered with no voids or air entrapment. Ensure that the correct overlaps have been applied and 100% adherence of the system to the tank vertical wall and concrete base/plinth has been achieved.

STORAGE:

Store correct way up in original packaging. Store away from heat and open flames. Do not store in direct sunlight.

SAFETY & HANDLING:

Please refer to current Guardian MSDS Data.

NOTE:

These Instructions must be read in conjunction with the project specifications. For further advice contact JST Coating Services Department.