

4.1 DAMPPROOFING / WATERPROOFING REQUIREMENTS

Damp proofing is usually a minimum code requirement on all exterior surfaces of below grade foundation walls when exterior soil grade is higher than the interior floor level.

Waterproofing satisfies the requirement of damp proofing and the requirement of a drainage layer under various codes where applicable. Waterproofing can also be effective where hydrostatic pressure is present.

NUDURA® Corporation supplies a waterproofing membrane as part of its NUDURA® Integrated Building Technology, which is a peel and stick application. The membrane is installed vertically in strips 36" (914mm) wide, with an overlap of 2" (51mm) at the seams. Each edge of the membrane has a line showing the required overlap.

The waterproofing membrane should extend up to the grade line. The parging material should be skirted 1/2" (13mm) to 1" (25mm) over the waterproofing membrane to prevent water infiltration.



During cold weather months the adhesive formula is modified to allow for lower temperature workability. A protection layer is recommended if coarse material is used for backfilling.

For more detailed application instructions on NUDURA® Waterproofing Membrane, please refer to NUDURA® Technical Bulletin No. 5 under Appendix F.

4.2 PARGING REQUIREMENTS

Parging is required to protect the EPS from the U-V damages that can occur over prolonged exposure. Most codes require that exterior finishing commences 6" (152mm) to 8" (203mm) above grade. Damp proofing and waterproofing products are not designed to extend above the grade line, where U-V deterioration will occur. Also, such products are not aesthetically pleasing.

The line of NUDURA® products included an acrylic based pre-mix parging product as well as a fiber mesh. Four easy steps should be followed when using NUDURA® parging.

- 1) Clean and rasp the surface, removing imperfections with the rasp or by filling the voids with NUDURA® Expandable Spray Foam.
- 2) Apply a thin coat of the parging mix with a trowel.
- 3) Embed the fiber mesh in the wet coat applied in Step 2.
- 4) Apply the finish coat using a spray or with a trowel as per manufacturers specifications.

