
Technical Service Bulletin No. S-05-01

TREMDrain® Series

Between Slab, Planters, and Pavers

Drainage Considerations

When considering a Tremco membrane for a structural slab application, it is always good practice to also specify a drainage course. The concrete slab that will be accepting the monolithic membrane should be sloped a minimum of 2% or 1/4" per foot (according to ASTM C898 cold applied membranes) or 1/8" per foot (according to ASTM 981 hot applied membranes), to promote drainage away from the walls and expansion joints. Many times the structural slab is not poured with this in mind. The focus of this bulletin is **not** to correct the improper installation of a concrete structural slab but to educate ourselves and others in the construction industry on the benefits of using Tremco's drainage mats. Here are a few pointers when considering structural slab waterproofing with the inclusion of TREMDrain.

1. The TREMDrain, because of its open core design, will help to reduce the hydrostatic level, thus reducing the ponding area and providing more flow to the drain area.
2. To avoid freeze-thaw cycling of trapped water, which may heave and disrupt the wearing course above.
3. To minimize the deleterious effect that prolonged undrained water may have on the wearing surface, not to mention the salts that may be dissolved in the water due to snow removal and other chemical contaminants which effect the integrity of the concrete. This is also true in coastal areas where salts are wind carried inward and deposited.
4. To minimize thermal inefficiency of wet insulation and of water under the insulation.
5. When planters are the construction of choice, the TREMDrain GR helps to promote healthier plant growth.

Tremco has several ideal drainage mats at your disposal, which will help to minimize the above-mentioned problems. You may choose the TREMDrain 2000 or TREMDrain 1000T, which has a woven fabric that helps to prevent the concrete wearing surface from adhering to it. TREMDrain S provides you with a compressive strength of 30,000 lbs/ft². The TREMDrain GR is ideal for planters and green roofs as noted above.

Please take the time to consider these products when specifying Tremco's superior waterproofing membranes.