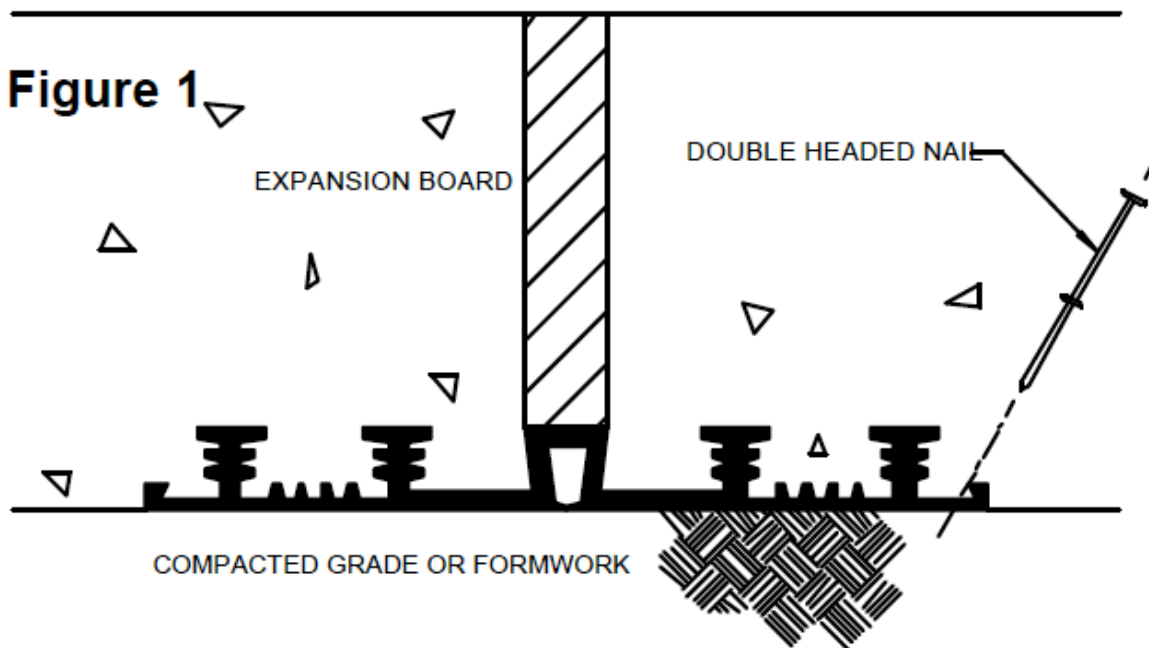


# Earth Shield® Chemical Resistant Waterstop Base Seal (JP211) Jobsite Installation Guide

## Base Seal Waterstops

Base seal type waterstops (sometimes referred to as externally placed waterstops) are installed prior to placement of concrete and reside either on compacted grade, mudslabs or vertical formwork. Base seal waterstops are positioned such that only the ribbed side of the waterstop engages the concrete. The design of these waterstops eliminates the need for split forming. A solid backing is required for proper initial support as well as for proper in service performance. Lack of support can lead to ballooning of the waterstop when exposed to high hydrostatic pressure. Base seal waterstops are secured in position by nailing or staking the outer edges of the profile to the underlying support as shown in *Figure 1*. Doubled headed nails should be placed through the outer edges of the waterstop to secure the waterstop to the formwork. Larger nails or spikes should be used in securing the waterstop directly to compacted sub grade. The waterstop should be positioned such that the longitudinal centerline of the waterstop coincides with the protected joint. It is imperative that the external side of the waterstop is protected from potential mechanical damage or long-term exposure to ultra-violet light. Care should be taken in the placement of concrete to prevent movement or displacement of the waterstop.



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