

## **Give Your Infiltration Program a KISS**

The Kelso Infiltration Stoppage System (KISS) is an application of unique formulation of crystalline waterproofing materials to buried concrete infrastructure that performs similarly to a paint primer, eliminating infiltration on its own application mixtures and sequence while also providing a sound dry surface for structural spray applied rehabilitation where necessary.

Kelso Infiltration Stoppage System (KISS) is a method for finally stopping infiltration in concrete structures that utilizes five unique compounds to be mixed and perform as a reliable system to address existing conditions that have proven very challenging and near impossible to stop. Just like applying primer for a paint project, the quality and properties of each primer greatly affects the finished coat, whether it be structural or not.

The KISS is made up of cementitious capillary crystalline waterproof plugging material, as well as a flexible polymer modified cementitious waterproof material coating, and an injectable polymer cement composite grout to fill voids behind the structures and those very difficult to stop leaks and water pressure.

The system will be illustrated through numerous successful wastewater case studies such as large diameter pipe rehabilitation with geopolymer, deep tunnel joint sealing as well as safety protection through applications on construction tunnel shaft walls, as well as improbable repairs on gushing manholes deemed unable to rehab due to scale of infiltration.

On the water side, illustrative case studies for flooded valve chambers and pump stations, as well as large dam works, prove the ability of making concrete structures become self healing and eliminate infiltration once and for all.