



Water Tanks & Swimming Pool Water Proofing

Krystol T1 and T2 is crystalline waterproofing treatment, applied on surfaces, that is used to protect concrete against water infiltration. It comes in a form of powder, that once mixed with water will become a coating applicable on the inner or outer sides of the concrete.

Important: Every leaking defect should be repaired. You should also consider apply the surface coating on the non-leaking repairs because they might leak in the future. Contact your CWP representative for more information.

Safety Precautions:

This product is for professional use only, so read carefully the Material Safety Data Sheet. It can be caustic if you mix it with water or perspiration. Keep away from skin or eye contact and breathing its dust. Always wear safety goggles, long sleeves and gloves

1. The concrete surfaces should be clean and free of paint, sealers, form release agents, dirt, laitance or any other thing. In order to remove loose concrete and surface contaminates, sandblast the surface, blast it with high pressure water, scarify it, shot blast it or use any other method of mechanical surface. Concrete with some exposed aggregate is perfect. If needed, use detergent or concrete degreaser to wash and rinse the surface of the concrete.
2. Mechanical surface preparation will open up the pores closed due to smooth troweled surfaces or formwork, even for uncontaminated surfaces. Freshly roughened surfaces will provide maximum adhesion and better penetration of the waterproofing chemicals.
Tip: If acid etching must be used, even if it is not recommended, all the acid residues must be neutralized before applying the Krystol T1 and T2.
3. Surfaces should be under SSD condition before receiving Krystol T1 and T2. Concrete should be completely saturated with water in order to allow Krystol chemicals to infiltrate deeply and react. However, surfaces on the outside must be slightly damp. Pre-soak the surface with water, and then remove the excess with a sponge or a vacuum.
Tip: During cleaning and saturating the concrete it is effective to use high pressure water blasting

Important: Make sure that Krystol T1 and T2 are applied to a surface under SSD condition. In order to maintain a damp (SSD) surface, you might need to wet the concrete constantly, while applying Krystol T1 and T2. A failure in keeping the surface in SSD condition will result in a weak bond between the Krystol coating and the concrete, and could lead to dusting, flaking of the Krystol treatment.

1. Mix Krystol T1 to a thick paste, knowing that 3 parts of powder need one part of clean water. Mix only a quantity that you'll use within 30 minutes.
2. Make sure that the surface is damp.
3. Use a concrete brush and apply the Krystol T1 in aggressive, circular scrubbing motion. To ensure a good bond, push the coating into voids in the concrete surface.
4. Repair and protect, as in Step 4 below

Tip: Apply two coats in order to ensure complete full coverage of the surface. You can use Krystol T1 for both coats, but it is preferable to use Krystol T2 because it will give a harder and a more durable result. Sometimes it is acceptable to use only a single coat.

1. Once the Krystol T1 has set hard you can apply the second coat, it takes usually 6 to 24 hours depending on conditions. In order to apply Krystol T2 wash and rinse the hardened coat. Some exposed aggregate in the Krystol T1 coating is ideal.
2. Make sure that the surface is under SSD condition.
3. Follow the procedure used to install Krystol T1 in order to install the Krystol T2.

Important: For a duration of 3 days, keep Krystol T1 and T2 wet cured to develop its full properties. If the coating is still soft to touch do not apply water curing, it will wash out the coating and will have a negative influence on the results. However, use protective covering in order to retain moisture during the initial hardening period.

1. To avoid water loss due to evaporation, cover the surface with tarps or plastics. As soon as the Krystol coating has hardened you can start wet curing, it usually takes between 6 to 24 hours. It also has to start when the coating starts to dry out.
2. Water should not gather on the surface during the first 24 hours or at least before the coating is hard. Sprinkle the surface with water, once it is hardened, as needed to keep the surface moist for 3 days. Apply curing water at least 3 times per day; it might require more frequent application in hotter conditions.
3. During curing period and in order to keep retain moisture; do not move the protective coverings. The stronger the coating is the more it needs to be soaked in order to keep it fully saturated.
4. During the next 24 hours wet cure the surface protecting it from frost, rain and traffic should be avoided during the curing period.

Important: Krystol T1 and T2 could develop a surface bloom that will probably prevent adhesion of the following coats. Make sure that you clean and prepare the surface. Performing a test patch is also recommended.

TOOLS & MATERIALS

Krystol T1

Krystol T2

Clean water

Mixing bucket, drill and paddle

Natural bristle concrete brush

High-pressure water blaster.

