

# **KalCon Ltd.**     *The Concrete Treatment Centre.*

## **Technical Data.**

**K-Cote S403** is a clear liquid based on an aqueous solution of sodium silicate and active chemicals. When applied to new or old porous concrete surfaces it chemically reacts with calcium compounds forming a dense sealed surface with greatly increased resistance to abrasion and chemical attack. This product offers the easiest applied concrete floor treatment available and has an outstanding long life performance suited to heavy duty industrial use including trafficked areas. Its penetrating performance case-hardens the concrete surface rendering it dustproof even when subjected to harsh abrasion.

**K-Cote S403** will greatly extend the life of both new and old concrete floors. It reduces floor maintenance, cleaning costs and eliminates hazards associated with dust.

### **Advantages:**

- Suited to External & Internal applications.
- Easily applied with minimum disruption to floor usage.
- Easily cleaned and maintained. Protects surfaces from oil, grease and chemical spills.
- Protects surface from freeze/thaw erosion.
- Significantly increases both abrasion resistance and surface density of concrete.
- Will not adversely affect the bond of subsequent coatings subject to recommended surface preparation.
- Ensures a permanent in-depth sealed and hardened finish.
- Non-tacky, surfaces may be trafficked during application and curing period. (Health & Safety Data must be observed.)
- Non-Toxic, Solvent Free, Odourless.
- Non-flammable, will not promote the spread of flame.

## **K-Cote S403**

### **Concrete Hardening, Sealing & Dust-Proofing Compound.**

#### **Preparation and application guide.**

Concrete surfaces should be cleaned to remove all contaminants including Grease, Oil, Dirt, Dust etc. Previously applied surface sealers including concrete curing membrane must be fully removed before application. Surfaces must be dry and porous to ensure maximum penetration of the K-Cote S403 into the concrete surface.

**K-Cote S403** is supplied as a ready to use clear single part product.

#### **Application:**

**K-Cote S403** is normally applied in two coats to good quality concrete surfaces. Application methods include pneumatic sprayer, brush, squeegee or roller. Apply the first coat at approx 5sq meters per litre ensuring the total area including high spots, are well coated. Liquid pooling may occur where the absorbency of the concrete surface varies. Where liquid pooling does occur leave for several minutes before spreading with a squeegee. In order to produce the best result the liquid should be brushed out until all of the liquid has been absorbed.

Sufficient liquid should be applied to allow the concrete to soak for a period of 2-3 hours. Areas that dry out during this time should be retreated. After this soaking period if ponded liquid remains on the surface it should be removed. The floor should now be allowed to fully dry at normal air temperature. Do not use artificial heat to speed up the drying time.

The above procedure should be employed for the second and if necessary additional applications. Ensure that the surface has dried between coats to promote penetrative effect.

After drying of the final coat (approx 24 hours) the treated concrete should be washed down with clean water and deck brush to remove any non-absorbed solids remaining on the surface.

***K-Cote S403*** is a non-tacky substance and treated floors can be trafficked at any stage during or after the application process. However, Health & Safety notes should be observed when in contact with this product and in particular if skin or eye contact has occurred. Avoid contact with sensitive or reactive materials. Allowance should be made for reduced traction when surface is wet.

**Health & Safety.**

***K-Cote S403*** is a caustic liquid compound. Operatives and others likely to come in contact with the solution should wear suitable protective clothing including waterproof rubber gloves and boots. Goggles should be worn to protect eyes. If application is by mist spray a suitable breathing mask should be worn to avoid inhalation of air borne mist. In case of accidental contact with skin or eyes wash off with copious amounts of clean tap water and seek medical advice. If ingested do not induce vomiting and seek medical advice without delay.

**Safety Data available on request.**

For additional information or advice please contact:

**KalCon Ltd.**  
**Unit 80, Western Parkway Business Park,**  
**Ballymount Drive,**  
**Walkinstown,**  
**Dublin 12**

**PH: 01- 4600833**  
**FX: 01- 4600836**  
**Email: [info@kalcon.ie](mailto:info@kalcon.ie)**