



# KISCOTE SF

## Silicate-Based Floor Hardener and Dust Proofer

### DESCRIPTION

KISCOTE SF is an easy-to-use and outstanding chemical to impart increased strength and other mechanical properties to concrete without the use of any membrane or coating. KISCOTE SF is a silicate-based liquid that impregnates into the structure to form a hard, chemically inert and non-water-soluble barrier by reacting with chemical compounds within the concrete pores.

### RECOMMENDED USE

- Car-parks
- Factory floors
- Warehouses and storage facilities
- Driveways
- Marine structures

### ADVANTAGES

- 100% trafficking and will not be damaged by mechanical means at the surface.
- Water based and environmental friendly
- Economical and simple to apply
- Durable
- Non-toxic
- Hardening of floor
- Dustproofing and consolidation
- Assists cleaning

### PACKAGING

KISCOTE SF is supplied in 20 liters pail

### APPLICATION GUIDELINES

#### a) Surface Preparation

- Receiving Surface must be clean and free of voids, loose materials, oil, grease, curing compounds, sealers and any foreign matters that may reduce penetration.
- Concrete must be of sound quality and prepared according to good practice of and compaction.
- Old and worn out concrete may need before the application of KISCOTE SF for best results.
- Ensure all metal, glass or painted railings are protected from KISCOTE SF.

#### b) Application

- Stir well prior to application of KISCOTE SF with brush, roller or suitable spraying equipment onto the receiving surface.
- The recommended application rate is minimum 1L/5m<sup>2</sup>. For area with presence of cracks, application rate is for 1L/3m<sup>2</sup>. (Depends on substrate absorption)



a) For new concrete:

- i. After the surface has been finished (foot trafficable), apply KISCOTE SF immediately using low-pressure spray or squeegee. Ensure KISCOTE SF wet the whole surface for at least 30 minutes.
- ii. Lightly mist the surface with water when KISCOTE SF begins to dry.
- iii. Flush the surface with water when the surface begins to dry again. Ensure excess KISCOTE SF are remove by squeegee the surface to completely dry or brush the surface.

b) For old concrete:

- i. Drench the surface with KISCOTE SF for at least 30 minutes.
- ii. In circumstances when majority of KISCOTE SF is still on the surface after 30-40 minutes, spread the excess KISCOTE SF over entire surface to ensure even coverage.
- iii. When KISCOTE SF start to dry, flush the entire surface with water and squeegee until completely dry.

c) Painting or covering

- Old concrete: Allow 3-7 days before applying paint or coverings.
- New concrete: Allow 28 days for proper curing.

### **LIMITATION**

KISCOTE SF must not be applied as follows: -

- At temperature outside 5-40°C.
- On concrete substrates that are not structurally sound or with large/non-static cracks greater than 2mm in width.
- At construction joint or pour joint.

### **COVERAGE**

Approximately 0.2-0.3 litres of KISCOTE SF per square meter.

1 pail of KISCOTE SF is expected to cover an area of 60 to 100 square meter.

### **STORAGE**

KISCOTE SF should be stored at room temperature, kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, a 12-month shelf life can be expected from date of manufacturing.

### **HEALTH & SAFETY**

Refer to SDS for further information.



## **TECHNICAL PROPERTIES**

KISCOTE SF	
Application limits	5 - 40°C
Colour	Colourless to opaque
Specific Gravity	1.20 - 1.25
Viscosity	<100 cps
Freezing point	0°C
Abrasion resistance (SS301 MOHS Scale)	6

### **IMPORTANT NOTES**

Any information and/ or specification contained herein is to the best of the company knowledge, true and accurate, it is always recommended that trial to be carried out to confirm suitability of use for all products, as no warranty is given or implied in connection with any recommendations and/ or suggestions made by the company representatives, agents and/ or distributors.

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