



## DURAFLOOR 1080 R-SCR (DURAFLOOR R70)

CEMENT BASED, HIGH EARLY STRENGTH, VERY FAST CURING SCREED

- Application thickness from 10 to 80 mm
- High early strength
- Fast setting

### DESCRIPTION

**DURAFLOOR 1080 R-SCR** is a high strength, fast setting, cement based screed with application thicknesses from 10 to 80 mm.

### TYPICAL APPLICATIONS

- Internal and external applications,
- Suitable to use on cement based surfaces and under-floor heating systems,
- Internal surfaces prior to ceramic, marble, natural stone, parquet, PVC applications, in order to obtain a sound surface,
- Residences,
- Factories, production plants,
- Garages and parking lots,
- Industrial and commercial warehouses,
- Shopping centres,
- Hotels,
- Hospitals,
- Pedestrian ways and pavements,
- Suitable for use on cement based screeds and concrete slabs.

### ADVANTAGES

- Fast setting.
- Application thickness from 10 to 80 mm.
- Easy and fast application saves time and money.
- High early strength.
- Cures without cracking under suitable conditions.
- Achieves excellent bonding with the substrate.

### TECHNICAL PROPERTIES

**Color:** Grey

**Physical Appearance:** Powder

**Mortar Density:** 2,20 ± 0,05 g/cm<sup>3</sup>

**Application Temperature Range:** +5 °C - +35 °C

**Time Required For Open Traffic:** min. 2 days

**Service Temperature Range:** -30 °C - +80 °C

**Pot Life:** 40 min

**Abrasive Resistance (TS 699):** < 3,5 cm<sup>3</sup>/50 cm<sup>2</sup>

**Compressive Strength (2 hours):** ≥ 20 N/mm<sup>2</sup>

**Compressive Strength (28th day):** ≥ 45 N/mm<sup>2</sup>

**Bending Strength:** ≥ 5 N/mm<sup>2</sup>

Above given data is applicable under 23 °C and 50% relative humidity

**Reference Standarts**

TS EN 13813 and TS 699

### DIRECTIONS FOR USE

#### SURFACE PREPARATION

- Application surface should be clean, and free from dirt, oil, paint, loose particles, mortar and plaster residues.
- Saturate the surface with water but remove any standing water.

#### PRIMING

- Apply a appropriate **REBOND** series primer as a bonding agent.

#### MIXING

- **DURAFLOOR 1080 R-SCR** is a ready to use product. Mix 25 kg of **DURAFLOOR 1080 R-SCR** with 3.25 lt (13%) of water for 3 - 4 minutes with a slow speed mixer until a homogenous mixture is achieved. Allow the mixture to rest for 1 - 2 minutes, and then mix again before use. Float the surface with a trowel.

#### APPLICATION

- Following the priming application, depending on the weather conditions **DURAFLOOR 1080 R-SCR** is applied, while the primer is still tacky.
- The screed is poured onto surface. Apply with a steel trowel for desired thickness. It is highly recommended to use a spiked roller in order to let the air bubbles out of the finished surface during application.
- In large areas, application should be performed continuously in order to prevent the formation of construction joints. Prepare the material in a cement mixer or in several buckets, and pour successively until application is completed.

#### WATCHPOINTS

- Use grease on the molds in order to prevent damages.
- The mix should not be tempered by any addition of powder or water.
- The mixture should be applied within approximately 20 minutes.
- Do not apply below +5 °C.
- Always turn off under-floor heating and allow subfloor to cool. Do not switch it on again for at least 24 hours after completion.
- Apply on set concrete surfaces.

#### CONSUMPTION

2.2 kg/m<sup>2</sup> for 1 mm thickness

#### PACKAGING

25 kg craft bag

#### STORAGE and SHELF LIFE

Store in dry and cool locations. Shelf life is 12 months under suitable storage conditions.

#### HEALTH and SAFETY

As with all chemical products care should be taken during use and storage. Avoid contact with food, skin, clothes, eyes and mouth. If accidentally ingested seek immediate medical attention. In case of contact with skin or eyes, wash with a plenty of water and soap. Should be kept away from children. Reseal containers after use. Please consult Material Safety Data Sheet (MSDS) for further information.

**NOTE:** Information contained herein is based on our current scientific and application information. INTERFIKS Yapı Kimyasalları A.Ş. is liable only for the quality of product, and shall not be liable for consequences of any inappropriate uses of the product. This technical document shall remain in effect until a newer version is printed, and hereby substitutes all previous versions hereof. (01/2015)