

# MasterTile® SL 535

## Cement Based, Self Levelling Flooring Screed

### DESCRIPTION OF PRODUCT

**MasterTile® SL 535** is a cement based, ready to use, self levelling flooring compound.

**Complies with the EN 13813**

### FIELDS OF APPLICATION

- Indoors and in dry environment,
- In hospitals,
- In stores,
- In schools and administrative buildings,
- In hotels,
- In shopping malls,
- In houses, used for levelling uneven, irregular substrate prior to laying ceramic tiles, marble, natural stone, carpet and vinyl.

### FEATURES AND BENEFITS

- Easily applied.
- Mixed only with water.
- Self levelling.
- Pumpable.

### APPLICATION PROCEDURE

#### Preparation of Substrate

The surface should be firm, free of dust, dry, clean and strong enough to support the weight. Any oil, grease, rust, gypsum, wax, paint residues, loose particles on the surface should be removed. The joints, cracks etc. Should be repaired prior to the application. In large areas, application levels should be determined by gridding.

#### Priming

In order to prolong the working time of **MasterTile® SL 535** levelling compound, to enhance the adherence to the floor and to minimize air bubbles;

- **MasterTile® P 300 RC** is applied with a brush or a roller. On very absorbent surfaces a second layer is applied.
- After the drying test, other operations can proceed.

### Mixing

A correct amount of water is poured into a clean mixing bucket using a measuring cup. **MasterTile® SL 535** is added gradually and the mixture is mixed with a 400-600 rpm mixing equipment for 3-5 minutes until a homogenous, lump free mixture is achieved. The mixture is allowed to rest 3-5 minutes, and after mixing for 30 seconds the product is ready to use.

**Note:** To achieve a seamless and smooth coating, an uninterrupted application should be made. Therefore, depending on the size of the application area, more than one mixing bucket should be used to provide an uninterrupted application and the prepared mixture should be poured successively on the surface for an effective coverage.

### Mixing Ratio

| MasterTile® SL 535 | Per 1 kg Powder | Per 20 kg Bag   |
|--------------------|-----------------|-----------------|
| Mixture Water      | Max. 0,20 liter | Max. 4,00 liter |
| Mixed Density      | 2,05 kg/liter   |                 |

### APPLICATION METHOD

The mixture should be spread on the surface with a toothed trowel or an adjustable trowel at the required thickness. The compound spreads evenly by self levelling. Do not add water during the setting and release any entrapped air in the surface with a spiked roller. **MasterTile® SL 535** shouldn't be applied at temperatures below +5°C and sudden fluctuations in the temperature should be prevented. The application shouldn't be carried out in areas with low humidity, higher ambient temperatures, and in areas which are exposed to sun and wind.

### COVERAGE

1.71 kg/m<sup>2</sup> powder per 1 mm thickness

|  |  |
|--|--|
| Material structure                     | Contains mineral fillers and polymer reinforced special cement |
| Color                                  | Gray   |
| Compr. strength (TS EN 196) (28 days)  | 15 N/mm <sup>2</sup>   |
| Tensile strength (28 days) application | ≥1 N/mm <sup>2</sup>   |
| Thickness                              | 3-10 mm  |
| Temp range of the surface              | +5°C +25°C   |
| Working time                           | 35 minutes   |
| Fully cured                            | 5 hours  |

*Obtained in +23°C, 50% relative humidity conditions. Higher temperatures reduce, lower temperatures increase the times Given.*

# MasterTile® SL 535

## Cement Based, Self Levelling Flooring Screed

### WATCH POINTS

- If the ambient and surface temperatures are less than +5°C and more than +25°C, suitable temperatures should be waited for the application.
- Furthermore, the product shouldn't be applied at extremely hot, wet or windy weathers.
- The materials to be used at the appropriate temperatures should be brought and stored in the application area 1-2 days prior to the application and enabled to adjust the ambient conditions.
- In extremely cold conditions, heaters should be used to increase the ambient and surface temperature; and in order to increase the workability of the product, the packages should be preconditioned to +20°C-+25°C to become ready to use.
- The applications should be carried out by suitably qualified applicators.
- The working and reaction times of the cementitious systems are affected by the ambient and surface temperature and relative humidity in the air. Hydration slows in lower temperatures and this increases pot life and working time. Higher temperatures increase the hydration and the above mentioned times decreases accordingly. In order for the material to complete setting, the ambient and surface temperature should not drop below the allowed minimum temperature.
- The compound should be allowed to rest after mixing, and then mixed again prior to application.
- At least 3 days should pass for any other work (wooden parquet, vinyl etc.) after **MasterTile® SL 535** application.
- Fast drying should be prevented after the product is applied. The applied material should be avoided from the contact of water.

### CLEANING OF TOOLS

Tools and equipment should be cleaned with water after the application. Hardened **MasterTile® SL 535** can only be removed from the surface mechanically.

### PACKAGING

In 20 kg polyethylene reinforced kraft bags

### STORAGE

The product should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 3 palletes should be placed on top of each other and the shipment should be made on a 'first come, first go' basis. Palletes should not be placed on top of each other during long term storage.

### SHELF LIFE

The shelf life is 12 months from the date of production under suitable storage conditions. Opened packages should be stored under suitable storage conditions and used within 1 week.

### HEALTH AND SAFETY PRECAUTIONS

It is dangerous to approach the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children. For detailed information please consult the Material Safety Data Sheet.

### DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

### CONTACT INFORMATION

**Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.**

Adres: Barbaros Mah. Begonya Sok.

Nidakule Kuzey Ataşehir, C Kapısı

No:3 E/5, 34746 Ataşehir İstanbul / Türkiye

Tel: 0216 217 88 00

Mail: [mbs.tr@mbcc-group.com](mailto:mbs.tr@mbcc-group.com)

Web: [www.master-builders-solutions.com/tr-tr](http://www.master-builders-solutions.com/tr-tr)

® Registered trademark of a MBCC Group member in many countries of the world

**MasterTile® SL 535** Technical Data Sheet -Revision  
Date: 12/2020

# MasterTile® SL 535

## Cement Based, Self Levelling Flooring Screed

|   |     |
|---|-----|
|    |     |
| <b>Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.</b><br>Adres: Barbaros Mah. Begonya Sok. Nidakule Kuzey Ataşehir, C Kapısı<br>No:3 E/5, 34746 Ataşehir İstanbul                |     |
| <b>20</b><br><b>DOP NO: 04.13813.004</b><br><b>EN 13813 CT-A1-B1-F5-C20</b><br><b>MasterTile SL 535</b><br><b>Çimentolu Şap Malzemesi</b><br><b>(Screed material and floor screeds – Screed material)</b> |     |
| Korozyon Etkisi<br>(Release of corrosive substances)  | CT  |
| Yangına Karşı Tepki<br>(Reaction To Fire)   | A1  |
| Bağ Dayanımı<br>(Bond strength)   | B1  |
| Eğilme Dayanımı<br>(Flexural Strength)  | F5  |
| Basınç Dayanımı<br>(Compressive Strength)   | C20 |