

MasterTop® SL 155 Rapid

Rapid levelling compound for levelling of 0.5 to 20 mm in one single operation

DESCRIPTION

MasterTop SL 155 Rapid is a very low emission, cement-based floor levelling compound for producing norm conforming substrates that are ready to receive floor coverings and wood flooring. After just about 90 minutes, **MasterTop SL 155 Rapid** can be covered with flooring materials and is therefore ideally suited for flooring work under high deadline pressure.

TYPICAL APPLICATIONS

Master Builders Solutions rapid levelling compound can be used on:

- Screeds
- Concrete
- Tiles and slabs
- Natural stones and terrazzo
- Old substrates with firmly adhering, water resistant adhesive residues.

MasterTop SL 155 Rapid cannot be used as final floor finish and should be treated with a suitable protective coating.

ADVANTAGES

- Ready to receive flooring after just about 90 minutes
- Low-dust application for cleaner work
- Excellent self-smoothing properties
- Ultra-smooth surfaces make adhesive application easier and reduce adhesive consumption
- Very high strength (suitable under wood flooring)
- Easy application

PACKAGING

MasterTop SL 155 Rapid is available in 25 kg units.

TYPICAL PROPERTIES*

Mixed density @ 25°C	Approx. 2 kg/L
Pot life @ 25°C	30 min
Foot traffic	after approx. 90 min
Compressive strength @ 6 hours BS EN 13892-2:2002	>15 MPa
Compressive strength @ 1 day BS EN 13892-2:2002	>25 MPa
Compressive strength @ 28 days BS EN 13892-2:2002	>40 MPa
Flexural strength @ 28 days BS EN 13892-2:2002	>10 MPa
Pull off strength ASTM D4541	>2 MPa

*At maximum recommended water content.

APPLICATION GUIDELINES

SUBSTRATE PREPARATION

Substrates should comply with the requirements of ATV DIN 18 365 "Floor covering work", ATV DIN 18356 "Wood flooring work", BS CP 8204 & 8201 or comparable national standards. In particular they must be clean, free from structural defects, firm, permanently dry, and free of release agents. In the case of cement-based substrates, any laitance must be removed using suitable machines. Always grind all (especially calcium sulphate) screeds, vacuum clean and prime with **MasterTile P 302** primer before applying the levelling compound. Strip dense, smooth substrates such as ceramic tiles and slabs with a suitable heavy-duty degreaser and then grind them. When used on nonabsorbent, firmly adhering, waterproof and hardened adhesive beds, **MasterTop SL 155 Rapid** can be applied up to a layer thickness of 3 mm without need for a primer. When wood flooring is to be bonded on top, old adhesive residues and levelling compound residues must always be removed as far as possible. New, properly sand sprinkled mastic asphalt screeds can be levelled off up to a layer thickness of 5 mm without need for priming.

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MIXING

Mechanical mixing is required for **MasterTop SL 155 Rapid**. For small areas, a heavy-duty handheld mixer (300-600 rpm) fitted with a Collomix DLX paddle, is suitable. Mixing time is 3 minutes.

For improved efficiency and continuous production of **MasterTop SL 155 Rapid**, it is recommended to use at least two mixing buckets or suitable mixer-pump.

For larger jobs, the use of a mechanical mixer-pump unit is recommended. Refer to your local Master Builders Solutions Construction Chemicals Technical Representative for suitable machines.

PLACING / APPLICATION

Pour 5.0 to max. 5.5 L of clean water into a clean mixing tub and slowly add 25 kg of **MasterTop SL 155 Rapid** whilst mixing with a suitable heavy-duty handheld mixer (Collomix Xo6). Mix approx. 2 minutes at a speed of approx. 600 rpm until the mixture is free of lumps. Allow to stand for 1 minute and then remix before applying the levelling compound in the required layer thickness using a spreader, smoothing trowel or pin raked. For a layer thickness greater than 10 mm up to max. 20 mm, **MasterTop SL 155 Rapid** should be bulked out with **30%** (by weight) washed and dried quartz sand (e. g. **MasterTop SR 3**). On mastic asphalt screeds and nonabsorbent, mineral substrates a layer of at least 2 mm thickness must be applied, but not more than 5 mm on mastic asphalt screeds.

IMPORTANT INFORMATION

- Protect the freshly applied product from direct sunlight and draughts.
- Do not mix with other levelling compounds.
- Clean tools with water and soap immediately after use.
- Do not use in wet areas without adequate waterproofing.
- At higher temperatures, store **MasterTop SL 155 Rapid** in a cool place and always use cold water for mixing.

- Grindable after 48 hours.
- Levelling work is best carried out at room temperatures between 15°C and 25°C and less than 75%, preferred 65% relative air humidity.

CLEANING

Tools should be cleaned with water before the material hardens. Hardened material will need to be mechanically removed.

COVERAGE / YIELD

A 25 kg bag of **MasterTop SL 155 Rapid** mixed with 5.0-5.5 L of water will yield approximately 15 L of mixed product.

MasterTop SL 155 Rapid when mixed with 5.0-5.5 L water with the addition of **MasterTop SR 3** will yield approximately 18 L of mixed product.

CONSUMPTION

2 kg of mixed material per m² per mm thickness.
2.1 kg of mixed material (including aggregate) per m² per mm for thicknesses of 10 to 20mm (Max).

STORAGE AND SHELF LIFE

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

The shelf life is 6 months when stored as above.

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HEALTH AND SAFETY

Avoid any inhalation of vapours, avoid skin contact. Wear protective gloves and protective goggles. In case of skin contact, rinse immediately with soap and water. In case of eye contact, bathe eyes with water at once, then consult a doctor. Observe the guidelines concerning the handling of epoxy resins and amines issued by the Employer's Liability Insurance Associations.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

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NOTE

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