PRODUCT NAME:
MASTERFLEX® FAST-SET LEVELING REPAIR



PRODUCT DESCRIPTION:
MASTERFLEX® FAST-SET LEVELING REPAIR is a fast-drying, self-leveling mortar, made with specialty cements, fine aggregates and performance enhancing additives designed to repair and level water ponding areas on concrete roofs. It rapidly levels, maintains workability for 30-45 minutes and produces an even, hard and crack free surface. MASTERFLEX® FAST-SET LEVELING REPAIR has a lower pH than regular Portland cement based mortars allowing for roof sealer installations after 24 hours.

RECOMMENDED USE:
Use over previously prepared concrete surfaces.

PRODUCT FEATURES:

- Lower pH allows for roof sealer installations after 24 hours
- Fast-setting- Dries in 45 minutes
- Polymer modified- Does not require primers or admixtures
- High early and ultimate strength- 4,000 psi
- Apply up to 1.5" (3.81 cm) thick per application

PRODUCT SPECIFICATIONS:
Product Identification:
D118 MASTERFLEX® LEVELING REPAIR 40 lb pail

Working Time: 30-45 minutes

Walk on time: 2 hours

Flow Time: 15 minutes

pH: 9 after 24 hours

Roof Coating Installation: After 24 hours

Compressive Strength @ 28 days: > 4,000 psi

Coverage: MASTERFLEX® FAST-SET LEVELING REPAIR will cover approximately 20 ft² per 40 lb bag at 1/4" (6.35 mm) thickness.

SURFACE PREPARATION:
Concrete: All surfaces must be structurally sound. Remove all grease, oil, dirt, curing compounds, roof coatings, adhesives or any other contaminant that would prevent a good adhesion. New concrete must be cured 28 days and accept water penetration. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a course finish to enhance adhesion. Apply over concrete surfaces only.

LIMITATIONS: Do not apply product over elastomeric roof coatings.

MIXING:
Remove the 40 lb bag of MASTERFLEX® FAST-SET LEVELING REPAIR from the bucket and pour 3.5 liters (.91 gallons) of clean potable water into the bucket while gradually adding the 40 lb of product. Use a low-speed drill with an angled cross blade mixer. Mix for 2 minutes at 250-300 rpm until achieving a homogeneous and lump free consistency. Rest material for 1 minutes, then mix for 1 additional minute. Do not over-mix. Overmixing or moving the mixer up and down during the mixing process could trap air, which could shorten the pot life or cause pinholes during application and curing. Do not add more water than recommended. High contents of water may cause separation, reduction of strength and shrinkage of the cured material.

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APPLICATION:
Identify and measure the water ponding area to determine the amount of material needed. To avoid early dehydration problems that lead to cracking do not apply when temperature exceeds 85°F (29°C). It is recommended to apply in the early hours of the morning or late afternoon. Using clean water, saturate the entire surface. Do not leave standing water. Empty the mixed material at the center of the water ponding area. MASTERFLEX® FAST-SET LEVELING REPAIR will seek its own level during the first 15 minutes and can be applied from 1/8" to 1-1/2" (3 mm to 3.8 cm) in a single application. Temperature and humidity may affect the working time, flowability and setting time of the material. It is important to prepare sufficient material to repair the entire water ponding area in one application to avoid the formation of cold joints. Use the yield table to calculate how much material is needed.

Note: When the surface to be repaired is too porous or can't be maintained wet, it is recommended to seal the area to be repaired with BONDING ADHESIVE to guarantee adhesion and prevent the creation of pinholes caused by the displacement of air trapped in the concrete. Wait until the adhesive is wet or tacky (non-dry) and then apply the mix of MASTERFLEX® FAST-SET LEVELING REPAIR.

CLEAN UP:
Clean with water before the material dries.

SAFETY INFORMATION:
This product contains Portland cement and free silica. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. Do not breathe dust; wear a NIOSH approved respirator.

WARRANTY: The warranty of this product is limited only to the replacement of the product if it should fail to comply with quality standards or specifications. Master Paints & Chemical Corp. does not guarantee and shall not be liable for damages arising out of purchaser's failure to apply the product in accordance with our instructions. This warranty excludes labor and costs of labor for the application or removal of any product, and any incidental or consequential damages. If not satisfied as warranted, contact Master Paints & Chemical Corp. with sales receipt(s).

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