
ROMEX® ECO FINE – 1 COMPONENT PAVER JOINTING MORTAR

Daltile Xteriors - Master Guide Specification

32 14 00 – Unit Paving

32 16 00 – Curbs, Gutters, Sidewalks, and Driveways

PART 1 – GENERAL

1.1 SUMMARY

- 1.1.1 This specification describes the application of one component, permeable paver jointing mortar for medium traffic loads. This will include any test standards that are applicable to Romex Eco Fine or applicable to jointing mortar in general.

1.2 QUALITY ASSURANCE

- 1.2.1 Manufacturing qualifications: The manufacture of the product shall be ISO 9001 certified and obtain a good ongoing quality assurance program.
- 1.2.2 Contractor Qualifications: Contractor should be qualified in the field of hardscape with a successful track record. The contractor should have qualified personnel that are trained in ROMEX® products by a ROMEX® representative.
- 1.2.3 Install materials in accordance with all environmental conditions required by the manufacture. All products installed should be installed under the safety conditions set forth by the manufacture or as modified by the applicable rules and regulations of the local, provincial, and federal authorities having jurisdiction. Consult safety data sheets for all handling recommendations.

1.3 DELIVERY, STORAGE, AND HANDLING

- 1.3.1 All materials must be delivered in original, unopened containers with the manufacturer's name, labels, product identification, and batch numbers. Damaged material must be documented and removed from site.
- 1.3.2 Store all materials off the ground and avoid excessive heat, rain, or freezing temperatures until ready for use.

1.4 JOB CONDITIONS

- 1.4.1 Site Conditions: The foundation needs to be prepared according to the expected traffic loads. Regulations and leaflets regarding construction of paved stone surfaces should be heeded. Future loads must not cause the surface to settle or loosen stones.
- 1.4.2 Ensure the subsurface meets expected traffic requirements and adheres to the industry guidelines. Consider using ROMEX® TRASS BED products for the ROMEX® SYSTEM GUARANTEE (RSG) or especially for any vehicular applications. Utilize ROMEX® application tools for optimal results. Avoid use in permanently wet areas and ensure a water-permeable well-compacted base with a slope of at least 2%. Ensure pavers are also compacted as per the CMHA guidelines.
- 1.4.3 Environmental Conditions: Area receiving the product is to be between 5°C (41 °F) and 30°C (86 °F). Product should not be applied in heavy rain. No rain protection is necessary for drizzle. Protect the freshly jointed surface from continuous or heavy rain for approximately 24 hours. Lay rain protection directly onto the surface if needed.
- 1.4.4 Protection: Precautions should be taken to protect surrounding surfaces that are not to receive the product.

1.1 SUBMITTALS

- 1.1.1 Submit two (2) copies of the manufacturer's literature. This includes a Product Data Sheet (PDS) and a Safety Data Sheet (SDS).

1.2 WARRANTY

- 1.2.1 Provide a written warranty from the manufacture against defects of materials for a period of (X year(s), This begins at the date of substantial completion of the project.
- 1.2.2 ROMEX® Eco Fine can be used with the ROMEX® Trass-Bed products and is eligible the ROMEX® SYSTEM-GUARANTEE (RSG).

PART 2 – PRODUCTS

2.1 MANUFACTURES

- 2.1.1 ROMEX® Eco Fine as manufactured by ROMEX® AG, Mühlgrabenstraße 21, 53340 Meckenheim, Germany is considered to conform to the requirements of this specification.

2.2 MATERIALS

- 2.2.1 12.5 kg (27.5 lbs.) ROMEX® Eco Fine one-component resin paving jointing mortar

2.3 PERFORMANCE CRITERIA

See Product data Sheet (PDS)

PART 3 – EXECUTION

3.1 INSPECTION

- 3.1.1 Examine all joints to be filled with ROMEX® Eco Fine. Ensure that they have been cleaned as per the manufacture's recommendations. A minimum joint depth of 30mm (1 1/4") is required or if laid over Romex Trass and Adhesion Elutriant a 20mm (3/4") joint can be utilized. A minimum joint width should be 3mm (1/8") for natural stone, tile or where a spacer is being used, 5mm (1/4") for concrete pavers.
- 3.1.2 Application of the materials constitutes an acceptance of the site, surface, and environmental conditions at the time of application.
- 3.1.3 Temperature readings of the ambient and substrate must be taken and recorded before and during application.
- 3.1.4 Do not apply the ROMEX® Eco Fine if the temperature is below 5°C (32°F).

3.2 SURFACE PREPARATION

- 3.2.1 All joints must be cleared of any all debris. Surface of pavers must be washed and cleaned of any impurities.
- 3.2.2 Contractor is to complete the "Contractor Pre-Install Site Checklist" supplied by ROMEX®.
- 3.2.3 Areas or walls adjacent to where the paving will be grouted must be protected / taped off to prevent the jointing mortar leaving a visible resin film on their surface.

3.3 OPENING

- 3.3.1 Open Manufactures packaging and remove the vacuum sealed bag.
- 3.3.2 Open the Vacuum sealed bag.
- 3.3.3 ROMEX® Eco Fine Jointing Mortar is now ready for installation.

3.4 APPLICATION

- 3.4.1 Use a light spray. Cover entire surface thoroughly but not that the joints are filled with water. Hotter days require more pre-wetting. Ensure areas being grouted are wet, don't apply to dry surface.
- 3.4.2 Pour packaged jointing mortar into a pile within the target area to be grouted.
- 3.4.3 Using a squeegee or stiff broom work the mortar across the entire surface and into the joints.

- 3.4.4 Spread the wet jointing to the joints to fill them completely. A second pass with more mortar may be required to ensure a complete joint fill.
- 3.4.5 When the joints are filled, use the squeegee at a 45-degree angle to the joints and work to remove as much of the excess material as is reasonably possible from the surface.
- 3.4.6 Ensure that wet jointing mortar mix is worked across the entire stone surface, to every corner (not just where there are joints) to create a uniform looking finish. Use a continuous and steady stream of water throughout application.
- 3.4.7 In cases where the weather is warmer (or the joints are tighter), the jointing mortar can be continuously sprayed with water to increase its workability and allow it to better flow into the joints.
- 3.4.8 Use a soft bristle broom to do a final cleaning.

3.5 MOCKUP

- 3.5.1 A job site mockup should always be performed to ensure that the product or system conforms to the aesthetic, that material coverage rates are known and methods and workmanship are understood.
- 3.5.2 Adhere to all the product limitations and cautions outlined by the manufacturer.

3.6 CLEAN UP

- 3.6.1 Clean tools with water and brush after application
- 3.6.2 If material has hardened, the use of Romex cleaners may be needed.

END OF SECTION