

D7000 - GUIDE SPEC

Daltile Xteriors - Romex Guide Specification

Romex D7000 – Stabilizer for loose aggregates with fines/smaller particles

07 00 00 Thermal and Moisture Protection

32 14 00 Unit Paving

32 14 13 Precast Concrete Unit Paving

32 14 13.13 Interlocking Precast Concrete Unit Paving

32 14 13.16 Precast Concrete Unit Paving Slabs

32 14 13.19 Porous Precast Concrete Unit Paving

32 14 16 Brick Unit Paving

32 14 26 Wood Paving

32 14 33 Plastic Paving

32 14 33.13 Permeable Plastic Paving

32 14 40 Stone Paving

32 14 43 Porous Unit Paving

32 15 40 Crushed Stone Surfacing

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

32 16 13 Curbs and Gutters

32 16 13.13 Cast-In-Place Concrete Curbs and Gutters

32 16 13.16 Steel Faced Curbs

32 16 13.23 Precast Concrete Curbs and Gutters

32 16 13.33 Asphalt Curbs

32 16 13.43 Stone Curbs

32 16 23 Sidewalks

32 16 33 Driveways

32 17 26 Tactile Warning Surfacing

32 94 00 Planting Accessories

32 94 13 Landscape Edging

32 94 19 Landscape Surfacing

32 94 43 Tree Grates

32 94 46 Tree Grid

PART 1 – GENERAL

1.1 SUMMARY

- 1.1.1 This specification describes the application of loose gravel/grit stabilizer. This will include any test standards that are applicable to Romex D7000 or applicable to grit and gravel stabilizer 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 manufactures name, labels, product identification, and batch numbers. Damaged material must be documented, reported to Romex North America 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. Superstructure and substructure must be sloped at 2% if drainage is required. Future loads must not cause the surface to settle or loosen stones.
- 1.4.2 Environmental Conditions: Product should not be applied in rain.
- 1.4.3 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).

PART 2 – PRODUCTS

2.1 MANUFACTURES

- 2.1.1 ROMEX® D7000 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
- 2.2.2 ROMEX® D7000 Stabilizer

2.3 PERFORMANCE CRITERIA

- 2.3.1 Final strength and results subject to variation in install conditions, aggregate type and moisture content at install.
- 2.3.2 Water permeable: Permeable but dependent on aggregate and compaction level.
- 2.3.3 Storage life: 24 months frost free, protect container from direct sunlight.
- 2.3.4 Surface Re-opening: After 48 hours can be walked on, after 6 days full load bearing.

PART 3 – EXECUTION

3.1 INSPECTION

- 3.1.1 The surface to be strengthened should be prepared to a depth of the minimum:

Load requirement	Romex D7000 Depth
Pedestrian Residential	38mm / 1.5" of granular/fines
Light Vehicular (Limit of 3 Tons – Residential)	50mm / 2" of granular/fines
Heavy Vehicular (Limit of 7.5 Tons)	76mm / 3" of granular/fines

The subsurface should be firm. Adjoining surfaces that are not to be strengthened must be protected / taped off to avoid staining from D7000 liquid. If moisture/dampness are present then there may be a reduction in bonding strength. Adjoining surfaces that are not to be joint-fixed are taped off. Application of the materials constitutes an acceptance of the site, surface, and environmental conditions at the time of application.

- 3.1.2 Temperature readings of the ambient and substrate must be taken and recorded before and during application.
- 3.1.3 Do not apply the ROMEX® D7000 if the temperature is below 10oc (50°F).
- 3.1.4 Gravel to be stabilized must contain fines/smaller particles/sand for best results.

3.2 SURFACE PREPARATION

- 3.2.1 In cold climates surface should either be sloped at 2% or have permeable base layer.
- 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 APPLICATION

- 3.3.1 Lay out the gravel with fines and rake to ensure a good mix of smaller and larger particles (smaller particles tend to make their way to the bottom over time).
- 3.3.2 Typically apply the D7000 stabilizer with a watering can to the surface, all visible granular types should be covered in D7000.
- 3.3.3 Lightly compact the surface with a hand tamper in all areas where the D7000 has been applied.
- 3.3.4 Apply the D7000 a second time to the same area to ensure stabilization of the granular.
- 3.3.5 Do not walk on the area where the D7000 has been applied for 48 hours.

3.4 MOCKUP

- 3.4.1 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.
- 3.4.2 Adhere to all the product limitations and cautions outlined by the manufacturer.

3.5 CLEAN UP

- 3.5.1 Clean tools with water and brush after application
- 3.5.2 If material has hardened, the use of Romex – Power Clean may be needed.

END OF SECTION

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