

BONDED TOPPING MIX

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PRODUCT

TARGET® Bonded Topping Mix contains accurately measured and premixed amounts of Portland cement, admixtures, bonding agents and specially prepared sand. The ratios of the components are controlled to give a product with excellent adhesion properties, rapid strength gain and excellent durability.

USES

TARGET Bonded Topping Mix is suitable for most concrete repair work, including the installation of fully bonded thin section repairs to concrete slabs, driveways, paths, patios and steps. It is also suitable for use as a levelling course under thin set mortars in the installation of ceramic tiles or under other porous surfacing materials.

ADVANTAGES

The major advantages of this product include:

- Rapid set - about 1½ hours at 18-24°C (65-75°F)
- Ready for foot traffic in about 2 ½ hours.
- Adequate working time - about 30 minutes under most conditions.
- Excellent bond to properly prepared surfaces.
- Ease of mixing.
- The bonding agent is included in the dry product, eliminating the need to add liquid bonding agent to the mix.
- Moist curing is not normally necessary.
- Suitable for indoor or outdoor use.

PROCEDURES

1. Prepare the surface of the concrete by thoroughly cleaning to remove all dirt, moss, paint, oil, dust and other contaminants.
2. Saturate the surface with clean water. Remove any puddles and allow the surface to partially dry before applying TARGET Bonded Topping Mix.
3. Place the dry mix in a clean wheelbarrow or other mixing container, or onto a clean, smooth surface. Mix only as much material as can be installed within 30 minutes of the start of mixing.
4. Mix in sufficient water to give the required consistency. For each 18 kg (40 lb) bag, use up to 2.6 liters (0.7 US gallon) of water for trowel application. Approximately 500 ml (1 pint) of extra water per bag will bring the mix to a slurry consistency for broom application.
5. When mixed to a consistency suitable for trowel application, the product may be applied at thicknesses of up to 12mm (1/2 inch). Work a thin layer of material into the prepared surface to act as a primer or slurry coat, then build up to the required thickness and trowel to the preferred finish. DO NOT over-trowel. For greater total thicknesses, apply in layers of 12mm (1/2 inch) each, allowing overnight curing between successive layers. For broom applications of slurry coats, use a stiff bristle broom to work the mix into the surface, then broom lightly to obtain an even surface texture.

Product performance is affected by many factors, including storage, method and conditions of application and use. User testing is ESSENTIAL to determine suitability of product for intended method of application and use. Target's SOLE WARRANTY is that the product has been manufactured to specifications. No oral or written information or advice shall increase this warranty or create new warranties. Target's SOLE LIABILITY is to replace product proved defective. In no event shall Target be liable for any consequential, indirect or other damages whether arising from negligence or otherwise.

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YIELD

- For trowel applications, each 18 kg (40 lb) bag of material will give approximately 1.7m² at 6mm (18 ft² at 1/4 inch) thickness. Each 5 kg (11 lb) pail of material will give approximately 5 ft² at 1/4 inch thickness.
- For broom applications, the yield will vary with the texture and thickness required. For most broom applications, a yield of approximately 7-8 m² (75-85 ft²) per 18 kg (40 lb) bag can be expected.

PACKAGING

Bonded Topping Mix is supplied in 18 kg (40 lb) bags or 5kg (11 lb) resealable plastic pails.

TYPICAL PROPERTIES OF TARGET BONDED TOPPING MIX

WATER REQUIREMENT	2.6 liters/18 kg bag (0.7 US gal/40 lb bag)
FLOW ASTM C 230	115-125%
WORKING TIME at 20°C (68°F)	30-40 minutes
COMPRESSIVE STRENGTH CAN3-A23.2-1B at 1 day at 7 days at 28 days	17 MPa (2,460 psi) 34 MPa (4,930 psi) 38 MPa (5,510 psi)
TENSILE BOND STRENGTH TO CONCRETE at 7 days at 28 days	0.8 MPa (116 psi) 1.4 MPa (200 psi)

NOTE: Bond strength was determined by direct tensile loading of Bonded Topping Mix which had been applied by trowel to a fully cured concrete slab at an average thickness of 12 mm (1/2 inch).

CAUTION

- The mix should not be applied at thicknesses greater than 12mm (1/2 inch). Where greater thicknesses are required the material may be placed in two or more lifts with overnight curing between each layer.
- Mixing and placing temperatures should be in the range 10°C to 27°C (50°F to 80°F). Protection from direct sunlight is desirable under hot or windy conditions. If the material is to be placed at temperatures beyond the stated range, contact your local TARGET representative.
- TARGET Bonded Topping Mix contains a polymer additive to give improved bond strength. To achieve the maximum bond strength, the polymer must be allowed to dry

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- out after the initial setting and curing period.
- When working with TARGET Bonded Topping Mix, follow the standard safety precautions for Portland cement products. Normal safety wear such as eye protection, rubber gloves and dust mask should be used. A Material Safety Data Sheet is available on request



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