

UT50 | Cement-Base Spatter Dash for Ultra-Smooth Surfaces

Product Description

TARTASHA-UT50 is a preblended cement-based bonding coat material designed to be applied as spatter dash coat onto ultra-smooth cast in place concrete walls, ultra-smooth precast panels or previously painted surfaces for obtaining a rough surface that improves the bonding between the smooth surface and the plaster/render coat.

TARTASHA-UT50 is applied as a bond enhancer on vertical, horizontal and overhead applications.

TARTASHA-UT50 is used for external and internal surfaces and applied by various methods.

TARTASHA-UT50 is composed of hydraulic binders, selected manufactured aggregate, and high-performance additives to provide excellent bonding with the substrate surfaces.

Features/Advantages

- Pre-blended dry material that only requires the addition of potable water at site.
- Factory-controlled ensuring high quality and assured consistency.
- Designed for external and internal applications in humid and dry conditions.
- Easy to apply with enhanced workability allowing a faster construction process, saving cost, time and manpower.
- Excellent resistance to harsh weather conditions providing excellent durability.
- Strong bonding and adhesion on a variety of smooth substrates.
- In accordance with international specifications.

Conformity with Standards

TARTASHA-UT50 conforms to the following standards:

- ASTM C926
- BS EN 1015-3
- ASTM C150
- ASTM C897
- BS EN 1015-6
- BS EN 1015-12
- BS EN 998-1
- BS EN 1015-11

Technical Data¹

Appearance	Grey powder
Aggregate Size	Up to 2 mm
Bulk Density	1.4±0.1 kg/l
Wet Density	1.8±0.1 kg/l
Working life	60 – 90 min
Setting Time	3 to 4 hours
Compressive Strength ²	≥ 15 N/mm ²
Flexural Strength ³	≥ 3 N/mm ²
Bonding Strength ⁴	≥ 1.5 N/mm ²
Yield	Approx 660- 680 l/t
Coverage ⁵	Approx 425 to 435 m ² /t
Packing ⁶	Bulk, jumbo and small bags
Shelf Life ⁷	12 months

¹ The above technical data are generated under laboratory conditions, some variations are expected due to weather, site, and application conditions which are beyond the control of the manufacturer.

² Compressive strength at 28 days as per ASTM C109.

³ Flexural strength at 28 days as per ASTM C348.

⁴ Bonding strength at 28 days (EN 1015-12).

⁵ The figures of coverage mentioned above are based on 2 mm coat thickness and are meant as a general guideline only. Actual coverage depends on application method, substrate type and nature, and material wastage.

⁶ Jumbo bags are 1 ton each. Small bags are 50 kg each.

⁷ Under dry shaded conditions and in its original unopened packing.

Application Instructions

Surface Preparation

Surfaces must be clean, sound, and free from oil, grease, curing compound or any other material that may reduce the adhesion and bonding of TARTASHA-UT50 with the substrate surface. Surfaces should be prewetted with potable clean water without the existence of free water on the surfaces at the application time of TARTASHA-UT50.

All materials for reinforcement, carrier and bead, corner beads should be installed in their locations before applying TARTASHA-UT50. Cracks in the background should be repaired before applying TARTASHA-UT50. If dubbing-out (filling in of localized hollows in the background) is needed, it should be done well in advance of the application of TARTASHA-UT50 and allowed to harden before the spatter dash is applied.

Contact Saudi Readymix when TARTASHA-UT50 is to be applied to new cast-in-place concrete walls or precast panels that have ultra-smooth surfaces compared with the normal smooth concrete surfaces.

Pretreatment of Special Backgrounds (Surfaces)

Surfaces of highly durable concretes with very low permeability and concretes containing waterproofing, water repellent admixtures or any cementitious additive that may lower its permeability and surface absorption may require special pretreatment. In such cases, contact Saudi Readymix for assistance and guidance.

Do not use TARTASHA-UT50 on lightweight autoclave blocks (AAC).

Mixing

- **Spray Machine:** The flow meter in the machine may be adjusted to obtain the optimum consistency for application. Spray the material using the spray gun of the machine.
- **Mechanical Mixing:** Add 50 kg of TARTASHA-UT50 to 9.5 – 11 liters of a clean potable water (Always add the material to water, not water to the material). Mix with a mechanical plaster mixer or a low speed electrical drill fitted with a suitable paddle until a uniform consistency is achieved (generally 3 to 5 minutes of mixing are required).

Legal Disclaimer:

The terms and conditions of Saudi Readymix legal disclaimer applies and are an integral part of this product data sheet. Please refer to the legal disclaimer document for further information.

- **Manual Mixing:** Manual mixing is allowed for small batch quantities by mixing for 2 to 3 minutes until uniform lump free consistency is achieved.

Application

Apply the mixed TARTASHA-UT50 by power spray machine, manual spray tools to achieve desired uniform thickness of 2 to 6 mm that covers the entire smooth surfaces (at least 95% of the surface area to be plastered).

Curing

Cure the applied TARTASHA-UT50 by spraying clean potable water 2 to 3 times daily for at least 3 days. It is highly recommended that the curing period to be extended to at least 5 days during hot weather conditions.

Precautions & Limitations

Clean the tools with water before product hardening. In case of hardening, tools should be cleaned mechanically. Do not re-temper the mixed material. Do not apply TARTASHA-UT50 at an ambient temperature lower than 5 C. Do not mix TARTASHA-UT50 with any other material not recommended by Saudi Readymix.

Protect TARTASHA-UT50 from direct sunlight, wind and rain during application. Saudi Readymix has no responsibility for the defects due to the improper or non-recommended use of the product. For further information contact our technical department.

Storage

Jumbo bags/paper bags should be kept sealed, placed on wooden pallets above ground level and covered by a waterproof tarpaulin.

Health & Safety

Since TARTASHA-UT50 is a cement-based product so it is a highly alkaline material. Care should be taken during the use and storage of TARTASHA-UT50 to avoid direct contact with eyes and skin. The use of protective gloves and goggles during application is recommended. Wash the skin with soap and water in case of contact. In case of contact with eye, wash immediately with plenty amount of clean water and seek medical advice.

TARTASHA-UT50 is a noncombustible material as per BS EN 13501-1 (Class A1).