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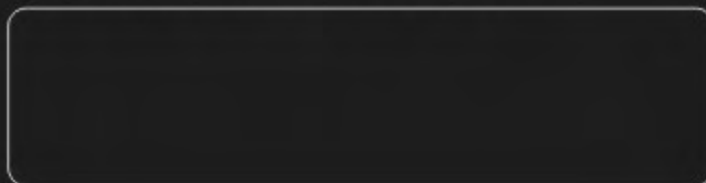
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Structural Fire Protection &
Decorative Acoustic Coating

Approved Distributor:



TANDA





Structural Fire Protection & Decorative Acoustic Coating



Introduction

TANDA AP-25 is a spray or trowel applied, asbestos and fibre free, single component factory blended cementitious fireproofing and acoustic plaster. It is intended for application on structural steel columns, beams and concrete surfaces for internal and external use.

The versatile formulation make TANDA AP-25 covers full range of exterior and interior application including ceilings, walls, semi exposed locations and high humidity environment.

The superior finish quality and colour ranges complement every aesthetic requirement. TANDA AP-25 is suitable for use in environments as diverse as sports centre, shopping mall, banks, restaurants, hall, subway and swimming pools.

The light weight properties provide extraordinary adhesion to any substrate.

Structural Steel Fire Protection

Structures protected with TANDA AP-25 have been assessed for up to 240 minutes fire resistance as defined in BS476: Part 4, 20 and 21 : 1987; ASTM E119.



Concrete Upgrading

TANDA AP-25 can be used to increase the fire protection properties of concrete structures up to 4 Hrs F.R.P.

Acoustic Insulation

TANDA AP-25 surfacing material has a number of natural interstices, sound energy will dissipate when it passing through these interstices. Absorption coefficients increase progressively through the frequency range in which most noise problems are encountered.

TANDA AP-25 have been tested according to ASTM C423 & ISO 354 to provide excellent acoustic performance.

General Properties

TANDA AP-25 cementitious plaster offer many significant advantages to developer, architect and applicator. These include :

- Low in-place cost
- High resistance to fire
- Good acoustic performance
- Physical stability
- Fast, efficient application
- Strong adhesion

APPLICATION CONDITIONS AND TEMPERATURES

- Before apply TANDA AP25, the substrate must be free of all oil, grease, condensation or any other contamination.
- For high coating thickness, mechanical attachments may be required.
- Surface temperature shall be 4 – 38°C, Relative Humidity 0–95%

APPLICATION INSTRUCTION

Equipment

- **Mixer**–23–42m³, 52 rpm minimum heavy-duty mortar mixer with rubber tipped blades which scrape the side.
- **Pumps**–Rotor pump
- **Air line**–Use 1.2cm ID line with a minimum bursting pressure of 6.9 Kpa
- **Spray Guns**–Plasterers pole gun with 3/8" –9/16" fluid tips
- **Compressor**–9 CFM at 100psi and higher for longer distance
- **Material line** – 1" (2.4cm) ID hose with 300psi minimum bursting pressure

Mixing

- Add 20 ± 4 litres of clean water to the mortar mixer.
- Add one bag of TANDA AP25 to the mixer, turn mixer on.
- Allow to soak for one minute. Then mix until an even, stiff consistency is achieved.

Pot life

- 2 hours at 24°C

Application

- It is recommended that mixed material should be sprayed within 45 minutes at 21°C
- TANDA AP25 must be applied by spray in a monolithic application. Film build will depend on application method, weather conditions and equipment used.
- For application required more than one coat or when applying overhead, a scratch coat of approximately 12mm is recommended. Allow to set for about 4–6 hours before applying subsequent coats.

- If the preceding coat has dried, dampen the surface with water before application of additional coats.

Finishing

- TANDA AP25 is normally left as a spray finish. Material can be tamped down after application.

Curing

- Freshly applied TANDA AP25 must be protected from rain or running water for 24 hours at 21°C

Cleanup & Safety

- Pump, mixer and hose should be cleaned with clean water at least once every 4 hours of application.
- Wet material can be cleaned up with soapy or clean water
- Do not breathe dust. TANDA AP25 is caustic and will irritate mucous membranes. Use OSHA approved dust mask while mixing.
- For eye contact, flush with copious amount of water in accordance with OSHA instructions, goggles or safety glasses are recommended.
- Wash skin with clean water to prevent irritation.

