



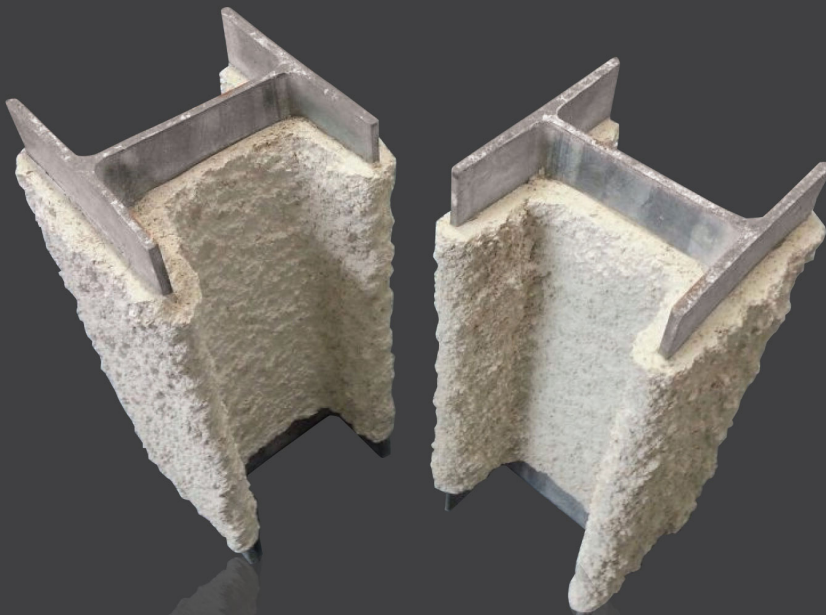
CEMENTITIOUS FIRE PROTECTION COATING

 AP25 Cementitious Fire Protection Coating were tested under HOKLAS accredited laboratories in compliance with

- ✓ **BS 476 : Part 21 : 1987**
Fire resistance protection up to 4 hours.
- ✓ **ASTM E-119**
Standard Test Methods for Fire Tests of Building Construction and Materials (2000).
- ✓ **ISO 354 AND ASTM C423**
For Acoustic Insulation



STRUCTURAL
FIRE PROTECTION
&
DECORATIVE
**ACOUSTIC
COATING**



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 attachment 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 300 psi 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



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.

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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.

CONCRETE UPWARDING

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

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



Joint-user
Complex in Area
44, Fanling -
1 & 2 hours FRR
G.M.S. & S.S.
Doorsets



10 Yim Po Fong Street, Mongkok, Kowloon (New Development)

Main Constructor :
Hip Hing construction Ltd.

Consultant Firm :
Ho & Partners Architects Engineers & Development
Consultants Ltd.

Fire Protection Area :
6,200 sqm

Construction period :
2012

Innovation Tower, The School of Design Development, Hong Kong Polytechnic University

Main Constructor :
Shui On Construction Co Ltd

Consultant Firm :
AGC Design Ltd.

Fire Protection Area :
2,000 sqm

Construction period :
2013





Tamar Development Project (New Development)

Main Constructor :
Gammon - Hip Hing JV

Consultant Firm :
Rocco Design Ltd.

Fire Protection Area :
2,000 sqm

Construction period :
2011



Job Reference

For AP-25 Plaster

Item	Project	Year
1	Mount Haven, Tsing Yi Lot 27	Jan-06
2	Olympia Plaza	Mar-06
3	Friend's House, Carnarvon Road	Mar-06
4	G/F, 108 Jervois Street, Sheung Wan.	Jul-06
5	G/F, Shop 3, 406-408 King's Road, North Point.	Jul-06
6	G/F, Shop 8-14, 2-4 Chatham Court, TST	Jul-06
7	PLK Wong Wing Shu Primary School	Sep-07
8	11g, Kingswin Industrial Bldg., Lei Muk Road	Jan-08
9	Chinachem Golden Plaza Cinema, Cinema Cine 1, 2 & 6, Chinachem Golden Plaza, 77 Mody Road, KIL 10730, TST	May-08
10	1-5 Lam Tin Road (B.D. Ref: 2-3/9117/63/3)	Aug-08
11	A&A Works for 5 & 7 Camelia Path, Palm Spring	Nov-08
12	Emergency Strengthening Works of Existing Balcony at Flat 1726, 17/F, Repulse Bay Garden, R.B.L. 792, Island Road, Hong	Dec-08
13	Alteration & Addition Works on I.L. 1312 S.B.S.S.I. I.L. 1312 RP, & I.L. 1313 Sec-A at No. 35-39 Morrison Hill Road Hong Kor	Dec-08
14	A & A Works on Basement & G/F (Workshop A) No. 658 Castle Peak Road, Kowloon	Feb-09
15	Proposed A & A Works for New E&M Equipment Installation at Roof & Upper Roof Floor of Wharf T & T Square, Kwun Tong	Feb-09
16	Proposed Addition & Alteration Works at Times Square	Feb-09
17	Building & Structurak (Alteration & Additions) 488 -490 Hennessy Road, lee Garden Road and 48 -76 Percival Street, Hong Kong - M.L. 365 s.A. ss.1, s.Css.1 and I.L. 29 s. W.R.P.	Apr-09
18	Alteration & Additions Works for 1/F, Jardine House, 1 Connaught Place, Central, H.K.	Apr-09
19	Proposed A & A Works at Second Floor, on K.I.L. 10730 Tsim Sha Tsui East , Kowloon	Apr-09
20	Cockloft, No.378 Portland Street, Kowloon	Apr-09
21	Proposed A & A Works for New Transformer Room at G/F of Wharf T & T Square, Kwun Tong	May-09
22	A & A Works for No. 4 Somerset Road, Kowloon Tong, Kowloon	May-09
23	Proposed Church at NKIL 924, 925 & 926 Nos. 14, 16, 18 Dorset Crescent & No. 1B Cornwall Street, Kowloon Tong, Kowloon	May-09
24	Proposed A&A Works at Basement, No. 1 Sports Road, Happy Valley, Hong Kong	Jun-09
25	No. 5 - 5C, Wing Sing Lane, Yau Ma Tei	Jul-09
26	Choi Wan Road Site 2 Phase 2	Jul-09
27	Buddhist Lim Kim Tian Memorial Primary School, Kwai Fong Estate	Aug-09
28	TKOTL 70, Area 86 Site AB, TKO	Aug-09
29	Proposed A&A Works at G/F No. 20 Russell Street, Causeway Bay, Hong Kong	Sep-09
30	3/F & 4/F of New Wings Extension at Mount Kellett Road (Matilda Hospital)	Oct-09
31	Proposed A&A Works at 1125-1127 Canton Road, Kowloon	Nov-09
32	24/F, Ching Wai House & Ching Yung House, Cheung Ching Estate	Nov-09
33	To Conversion a Primary School into a Secondary School in Area 104, Tin Shui Wai	Nov-09



Job Reference

For AP-25 Plaster

Item	Project	Year
34	Ecopark EP07-03, Biodiesel Manufacturing Plant	Nov-09
35	Proposed A&A Works, Shop 105 & 211, Ocean Centre, Harbour City, Canton Road, Kowloon, Hong Kong	Dec-09
36	A&A Works at Harbour Crystal Centre, 100 Granville Road, TST, Kln. G/F Service Center	Jan-10
37	Development of Ecopark at Tuen Mun Area 38	Jan-10
38	2/F., Lift Lobby in Green Heron House, Sha Kok Estate	Jan-10
39	Guest Room 10, UG/F, One Silversea, 18 Hoi Fai Road, Tai Kok Tsui, Kowloon	Jan-10
40	A&A Works at R.H.K.J.C. Headquarter Building, Happy Valley	May-10
41	Renovation Works at Lok Fu Shopping Centre	May-10
42	237 - 239 Des Voeux Road Central, Sheung Wan	Jul-10
43	Proposed A&A Works at Shop 1&2, G/F and 1/F Office, No. 385-391 Hennessy Road, Hong Kong. I.L. No. 2617, Sec. G, S.S.2, S.S.3, S.S.4, & R.P.	Jul-10
44	A&A Works - YMCA of H.K. Beacon Centre at Beacon Lodge	Aug-10
45	Addition & Alternation Shatin Club House	Aug-10
46	G/F, Admiralty Centre, 18 Harcourt Road	Aug-10
47	Air-conditioning Infrastructure Upgrade (Phase 2) at Happy Valley Racecourses for the Hong Kong Jockey Club	Oct-10
48	Design & Build Contract Works Provision of Covered Walkways under School Major Repair 07/08 Kwok Man School NIL Kwok Man Road Cheung Chau Island S.	Oct-10
49	Installation of Pumping System at Central Locker Room of KBD, Carpark of KBD (No. 6, 7, 8)	Oct-10
50	Lobby and Carpark Access Improvement Works at Shatin Club House of Hong Kong Jockey Club	Nov-10
51	Proposed Commercial Building at Nos. 32 to 40 Yiu Wah Street, Hong Kong	Dec-10
52	Improvement of Fresh Water Pressure at Top Floors of Koon Yat, Boon Yat, Sau Man, Chi Siu & Pak Hung House, Choi Wan (I) Estate	Feb-11
53	Lift Modernization for Block 9, 10, and 11 in Pak Tin, Work Order No.: 200910075-003	Feb-11
54	ASD Work Order No. P2295350, Ma Tau Wai Girl's Home	Feb-11
55	Rehabilitation of Ming Wah Dai Ha, Shau Kei Wan, HK, Refurbishment Works at Block A, B, to F	Feb-11
56	Extension of TDC Exhibition Services and Logistics Centre at Tseung Kwan O Industrial Centre	Apr-11
57	West Island Line Contract No.711 – Re-provisioning of David Trench Rehabilitation Centre	Apr-11
58	Alteration & Addition Works to Slab at Unit A, 1/F Eton Building, 288 Des Voeux Road Central, H.K.	Apr-11
59	Major Renovation Work at Tin Shui Shopping Centre, Tin Shui Wai, New Territories	Jun-11
60	Proposed A&A Works at Nos. 396 Lai Chi Kok Road, Kowloon	Aug-11
61	French International School "Victor Segalen Association Limited" at UG/F, 165 Blue Pool Road, H.K.	Aug-11
62	Inner Circle, 3/F Grandstand I, Sha Tin Racecourse, Sha Tin, New Territories	Aug-11
63	Hong Kong Institute of Education, the Learning Commons at Block C, 10 Lo Ping Road, Tai Po, New Territories	Aug-11
64	Redevelopment of No.39 Queen's Road Central and No. 19-28 Li Yuen Street East I.L. No. 4229-4243	Sep-11
65	Air-conditioning Infrastructure Upgrade (Phase 3 & 4) at Happy Valley Racecourses for the Hong Kong Jockey Club	Oct-11
66	Builder's Supporting Works for Lift Modernization Phase 2, For 3 Nos. of Twin Tower Blocks in Shun Lee Estate Section I - L2 (Lee Hang House), L6 (Lee Cheung House), L10 (Lee Ming House)	Oct-11
67	Proposed A&A Works at G/F, 1/F, 2/F, 2M/F & 3/F, Grandstand II, Shatin Racecourse, The Hong Kong Jockey Club, Shatin, New Territories	Nov-11
68	A & A Works for Sinopec Petrol Filling Station at Inland Lot No. 9029 Victoria Road, Hong Kong	Dec-11