

taikongbot MOISTURE-RESISTANT GYPSUM BOARD



WetStop™ Gypsum Board

- Features a specially treated gypsum core that provides additional protection from dampness compared to regular gypsum boards
- Complies with international standards such as BS 1230, EN 520, ASTM C1396 or equivalent local standard for physical properties classification and moisture resistance for gypsum boards, as well as BS 476, ASTM E84 and E136 classification for surface burning characteristics and non-combustibility

DESCRIPTION

taikongbot WetStop™ Gypsum Board is manufactured from a specially formulated moisture-resistant core, encased in recycled face and back papers that form a high strength composite design. The panels have tapered long edges for easy finishing when used with taikongbot's Jointing compounds. It is designed to meet regulatory requirements for wet area applications such as bathrooms, pantries and kitchen areas.

INTENDED FOR

- Area where moisture-resistant is desired
- Can be used as an interior tile substrate in dry location or areas with limited water exposure

ADVANTAGES

Resists Water: Moisture-resistant core.

Easy to Install: Scores and snaps easily. Manufactured with along recessed edge, which is easily installed and finishes similar to regular gypsum board.

Tiled Finish: Tiles up to 32 kg/m² may be directly adhered using the approved water-proof ceramic tile adhesive.

LIMITATIONS

1. Avoid exposure to sustained temperatures exceeding 50°C.
2. Maximum framing spacing is 24" (610mm) centers.
3. Intended for interior applications only and must be kept dry during handling and storage. Please see taikongbot installation guidelines.
4. Wall cavities, floor cavities and other enclosed areas must be dry prior to being closed-up and application of interior finishing. Insulation in the wall or floor cavities must be dry.
5. Must be stored off the ground and under cover.

FINISHING AND DECORATING

It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and gypsum board installation, jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.

taikongbot recommends the use of taikongbot joint compounds and the 3 coat jointing system using paper tape to achieve the best joint strength.

For priming and decorating with paint, texture or wall covering, follow manufacturer's directions or recommendations.

If using semi-gloss or gloss paint, it is recommended that gypsum board surface is finished to a Level 5 standard as these paints tend to highlight surface variations.

For Levels of Finish please refer to taikongbot Gypsum Board Installation manual.

TEST DATA

taikongbot Moisture-resistant Gypsum Board comply with :

	Property	Test Methods	Specification	taikongbot WetStop 9.0/9.5 mm	taikongbot WetStop 12/12.5/13 mm
Fire Reaction	Non-combustibility	BS 476 Part 4, ASTM E136	Pass	Pass	Pass
	Surface-burning characteristics	BS 476 Part 6,7	Fire Propagation/ Flame Spread	Class O	Class O
	Non-combustibility	EN 13501-1	Rate of Heat Release Smoke Development	1A2-s1; d0	A2-s1; d0
		ASTM E84	Flame Spread / Smoke Developed	15/ 0	15/ 0
Physical Properties	Water absorption	EN 520	HI	HI	HI
		ASTM C473 (B) / ASTM C1396	<5%	<5%	<5%
	Core hardness (lbf)	ASTM C473 (B) / ASTM C1396	Field	>49N	>49N
		ASTM C473 (B) / ASTM C1396	End	>49N	>49N
		ASTM C473 (B) / ASTM C1396	Edge	>49N	>49N
	Flexural strength (lbf)	EN 520	Parallel	>400N	>550N
			Perpendicular	>160N	>210N
		ASTM C473 (B) / ASTM C1396	Parallel	>343N	>476N
			Perpendicular	>116N	>160N
		TIS 219-2552	Parallel	>356N	>512N(12mm) >535N(13mm)
			Perpendicular	>133N	>200N(12mm) >230N(13mm)
		BS1230:1985	Parallel	>405N	>535N (12.5mm)
			Perpendicular	>170N	>230N
	Humidified deflection(in.)	EN520			
		ASTM C473 (B) / ASTM C1396		NA but <48 mm	<32 mm
		TIS 219-2552		<10mm	<10mm
		BS1230:1985			
	Nail pull resistance (lbf)	EN 520	None		
		ASTM C473 (B) / ASTM C1396		NA but >249N	>343N
		TIS 219-2552		>270N	>330N (12mm) >360N (13mm)
		BS1230:1985			

Country of Standards: BS / EN – Hong Kong, Malaysia, Singapore; ASTM – Indonesia, Vietnam, Cambodia, Laos, Philippines, UAE; TIS – Thailand; GB - China

PRODUCT DATA

Property		taikongbot WetStop 9.0/9.5 mm	taikongbot WetStop 12/12.5/13mm
Weight	kg/m ²	6.1-6.6	8.0-9.0
Thickness	mm	9.0 - 9.5	12.0 -13.0
Length	mm	2400, 2700, 3000	2400, 2700, 3000
Edges		Tapered	Tapered
Face Paper Color		Green	Green

* Custom lengths available. Please contact your local taikongbot office

COMPLIANCE

- Fire + WetStop complies with international standards such as BS 476, ASTM E119 classification for fire resistance
- Complies with EN 13501-2 (European fire resistance classification)

SUBMITTAL APPROVAL

Job name	
Contractor	Date

