

USG BORAL PRODUCT CATALOGUE



USG BORAL
INNOVATION INSPIRED BY YOU.™



WHO WE ARE

USG Boral is a leading manufacturer and supplier of gypsum-based wall and ceiling lining systems, mineral fiber ceiling systems, metal framing, high performance panels, compounds and accessories in Asia, Australia and the Middle East.

USG Boral was established in 2014 when Boral Limited and USG Corporation, two giants in the global building industry, formed a 50/50 joint venture.

Boral, headquartered in Sydney, is Australia's largest construction materials supplier. Boral has been in operations for over 70 years, and produces and distributes a wide range of products including quarry materials, concrete, bricks, cementitious materials, roof tiles, timber, asphalt, plasterboard, pavers and retaining walls

USG, headquartered in Chicago, is North America's leading producer of gypsum boards, joint compounds and related products for the construction and remodeling industries. USG, which has been in business for more than 110 years, is also the global leader in ceiling suspension systems and is recognized as the premier acoustical panel and specialty ceiling systems innovator.

OUR PURPOSE

We exist to contribute to improving the lives of our employees, our customers and our communities.

People need buildings that are safe, environment-friendly comfortable and beautiful. Architects and construction companies need more efficient ways to build. Building owners need better running buildings with lower operating costs.

At USG Boral, we are committed to developing building solutions that answer these needs.

INNOVATION INSPIRED BY YOU™

One way to improve life is to innovate. The best innovations start with a focus on what is needed and how it will benefit the industry. At USG Boral, our mission is to deliver innovation that helps our customers work smarter, do more and build better.

Through an ever-growing portfolio of groundbreaking products backed by unparalleled service at USG Boral, we empower our customers to build their business. And we've done so through investing in purposeful innovation, expanding into different markets and constantly searching for ways to increase performance and productivity.

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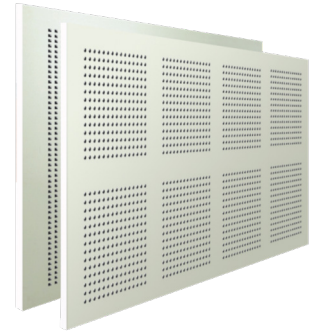
USG BORAL STANDARD AND TECHNICAL BOARDS



STANDARD



UNISPAN®



ECHOSTOP®

Description	Standard is composed of a gypsum core encased in heavy duty paper lining that is durable and environment-friendly.	Unispan® is a cost effective alternative to 12mm gypsum board ceiling linings.	Echostop® is a sound absorptive perforated gypsum board available in either square, round or slotted design perforations.
Dimensions	4 ft x 8 ft	4 ft x 8 ft 4 ft x 9 ft	1200 mm x 2400 mm
Thickness	9 mm 12 mm	10 mm	1/2 in = 12.7 mm
Edge Profile	Recessed	Recessed	Recessed
Paper Surface Color	Gray	Gray	Light Yellow
Application	Walls and ceilings of residential and commercial buildings	Ceiling lining	Retail stores, restaurants, offices, schools and other areas where sound absorption is required
			






FIRESTOP®



WETSTOP™



WETSTOP + FIRESTOP™

Description	FireStop® is recommended for partition wall and ceiling systems where specific fire-resistance ratings are required.	WetStop™ is the latest advancement in water resistant gypsum board lining.	WetStop + FireStop™ was developed specifically for use in wet area fire-rated partition systems.
Dimensions	4 ft x 8 ft	4 ft x 8 ft	4ft x 8 ft
Thickness	1/2 in = 12.7 mm 5/8 in = 15.875 mm	1/2 in = 12.7 mm 5/8 in = 15.875 mm	1/2 in = 12.7 mm 5/8 in = 15.875 mm
Edge Profile	Recessed	Recessed	Recessed
Paper Surface Color	Pink	Green	Pink
Application	Fire-rated wall and ceiling systems	Wet areas such as bathrooms and laundry areas	Wet area fire-rated partitions in commercial constructions
			

USG BORAL COMPOUNDS

USG Boral manufactures and supplies an extensive range of high-quality and consistent joint compounds including bedding and base compounds, finishing, patching and skim compounds to transform your gypsum board joints, angles and fastener heads into one seamless surface.



PREMIUM JOINTING



PREMIUM PREMIX



PAPER TAPE

Description	USG Boral Premium Jointing is a gypsum-based, all purpose compound especially designed for flush jointing gypsum board, internal/external angles and fastener heads	USG Boral Premium Premix is a lightweight, premixed, vinyl-based, air drying compound used for finishing gypsum board joints, internal/external angles, and fastener heads.	As a paper reinforcing tape, USG Boral Paper Tape is well famed for strengthening and fine-tuning the joints of interior drywall panels while preventing visible cracking.
Net Weight	20 kg	28 kg	-
Drying/Setting time	45 minutes (depending on local conditions)	12-24 hours (depending on local conditions)	-
Shelf life	9 months	9 months	-
Mixing ratio	1:2 (water to powder)	-	-
Dimension	-	-	50 mm x 75 m
Features	<p>EASE OF USE</p> <ul style="list-style-type: none"> • Easy to mix, and no lumps • Easy to apply under shear pressure • Fast drying time • Easy to sand <p>PERFORMANCE</p> <ul style="list-style-type: none"> • Excellent bond to paper tape or joint strength • Low shrinkage • High coverage 		<ul style="list-style-type: none"> • High strength and resists tearing • No stretch and wrinkles • Superior center crease • Easier corner finish

* Note: The 9 month shelf life indicated for the products on this page applies if the products are stored strictly following USG Boral's storage instructions.



PREMIUM CORNICE

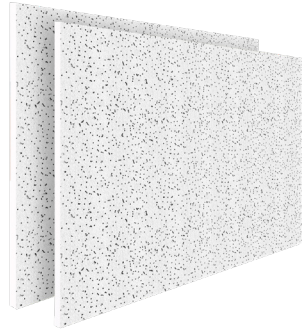


PREMIUM CASTING

Description	USG Boral Premium Cornice is a high-strength bonding compound formulated for adhering decorative cornices to walls and ceilings.	USG Boral Premium Casting is used mainly to cast plaster products such as cornices, corbels and other decorative moulding.
Net Weight	20 kg	20 kg
Setting time	30 minutes	10 minutes
Shelf life	9 months	9 months
Features	<ul style="list-style-type: none"> • High adhesion • Excellent wet tack • Smooth finish 	<ul style="list-style-type: none"> • Easy mixing • Consistent working time • Smooth pearly white finish

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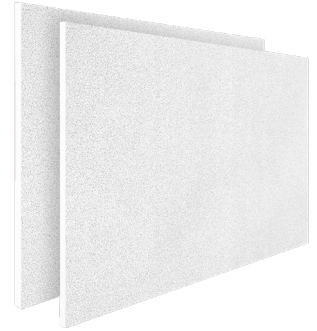
USG BORAL ACOUSTIC AND LAMINATED CEILING PANELS



**IMPRESSIONS™
CLIMAPLUS™**



**OLYMPIA MICRO™
CLIMAPLUS™**



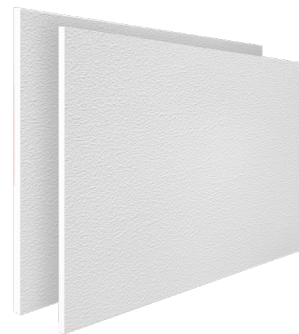
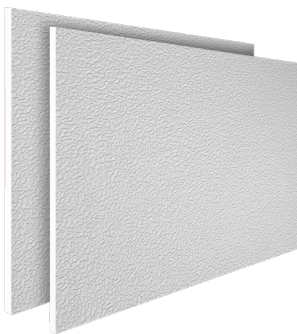
**MARS™
CLIMAPLUS™**

Description	<p>Impressions™ Climaplus™ is USG Boral's most popular fine-fissured non-directional pattern which gives a cleaner and whiter ceiling appearance.</p> <p>The panels are easy to install, have low VOC emissions, and are resistant to mold and mildew.</p>	<p>With micro perforations that provide a smoother look and suitable sound absorption, Olympia Micro™ Climaplus™ panels offer upscale appearance at a mid-range price.</p> <p>Olympia Micro™ Climaplus™ have high level light reflectance, mold and mildew resistance, ceiling attenuation and noise absorption</p>	<p>Mars™ Climaplus™ panels are especially manufactured to maximize sound control and anti-sag performance. They have a high light-reflective finish (LR-.89) that reduces the need for light fixtures allowing for a decrease in energy consumption.</p> <p>Mars™ Climaplus™ panels are impact and scratch resistant, and may be washed and scrubbed.</p>
Noise Reduction Coefficient (NRC)	0.60	0.50	0.70
Ceiling Attenuation Class (CAC) - Minimum	33	30	35
Light Reflectance	0.84	0.88	0.89
Thickness	16 mm	16 mm	19 mm
Dimensions	600 mm x 600 mm 2 ft x 2 ft	600 mm x 1200 mm 2 ft x 4 ft	600 mm x 600 mm 600 mm x 1200 mm
Edge Profile	Fineline bevel 	Shadowline tapered 	Square edge 
Humidity and Sag Resistance	Yes		
Application	Offices, retail spaces, warehouses, schools, showrooms, restaurants	Classrooms, hotels, reception and lobby areas, restaurants and retail stores.	Corridors, department stores, reception areas, lobbies and general office spaces.

For more information and technical documents, please visit https://www.usgboral.com/en_sg/products/ceilings/acoustic-panels-and-ceiling-tiles.html

USG Boral is a global leader in the manufacture of ceiling suspension systems and is recognized as a premier acoustical panel and specialty ceilings innovator. We provide creative building solutions that set new standards for productivity and efficiency, helping contractors and architects deliver high quality and innovative designs.

From light reflectance to sound reduction, durability to aesthetics, you'll find the perfect panel or tile for your ceiling projects.



CONDADO

SHADES

Description	Laminated ceiling panels are made up of reinforced gypsum board finished with a high quality surface lining that is durable and easy to clean.	
Surface Texture	Orange skin	Lemon skin
Dimensions	2 ft x 4 ft	
Thickness	9 mm	
Edge Profile	Square edge	
Application	Hospitals, laboratories, bathrooms and kitchens	

USG BORAL WALL INSTALLATION GUIDE

Tools and Materials Required



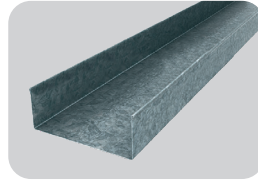
Type S and D gypsum screws



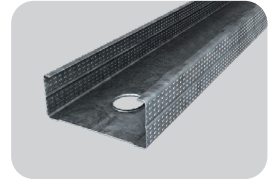
Cutter



Power tool



Tracks



C Stud

USG Boral Products



Gypsum Boards



Premium Jointing

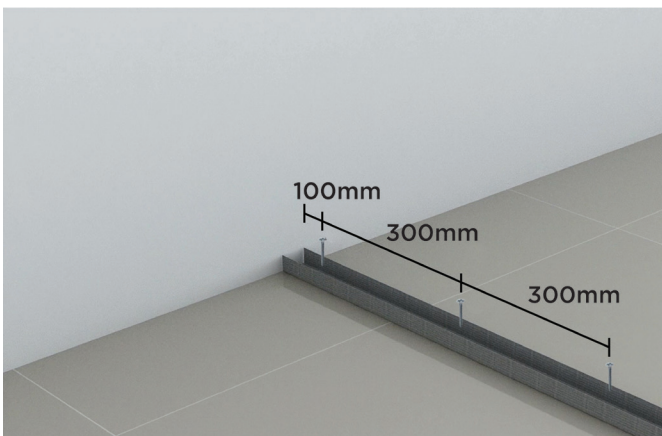


Premium Premix

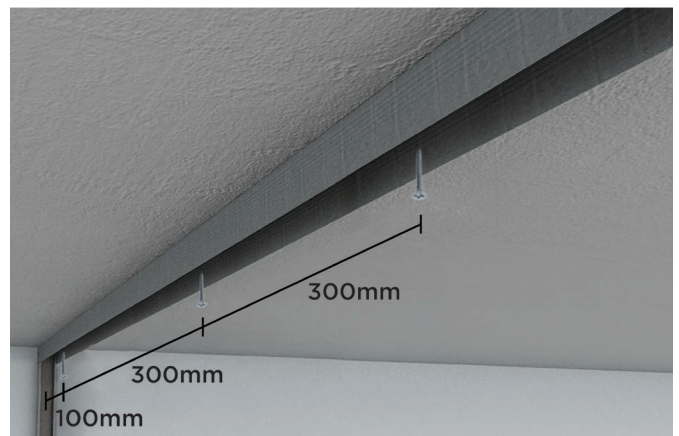


Paper Tape

Application Steps



Step 1: Fasten floor tracks using applicable fasteners at no more than 100mm from wall; rest at no more than 300mm.



Step 2: Transfer floor track alignment to ceiling. Install ceiling track similar with step 1.

Scan code for online video installation at
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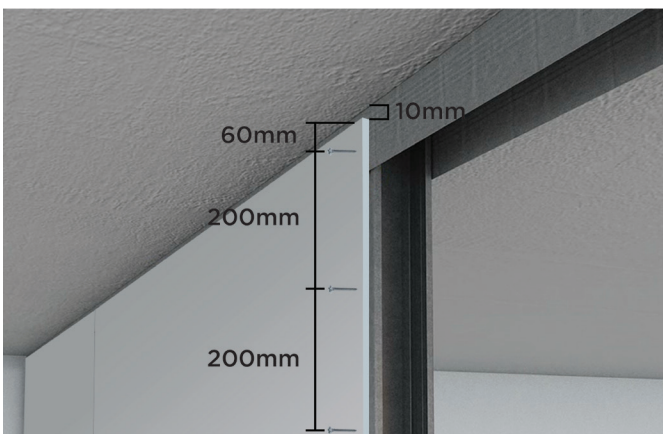




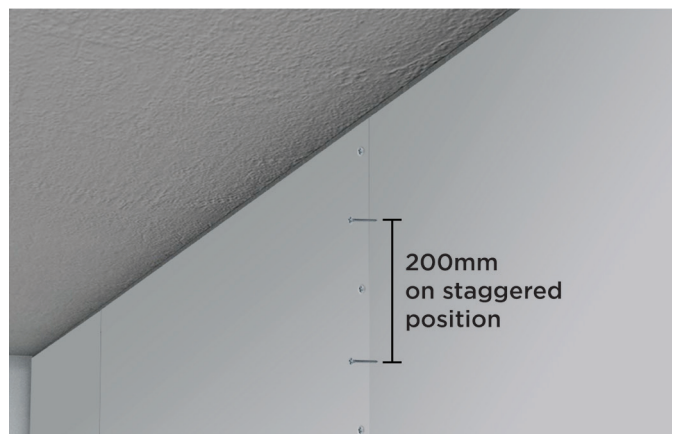
Step 3: Install C studs vertically along wall ends. Fasten studs to wall using applicable fasteners spaced at 100mm (maximum); rest at 500mm (maximum).



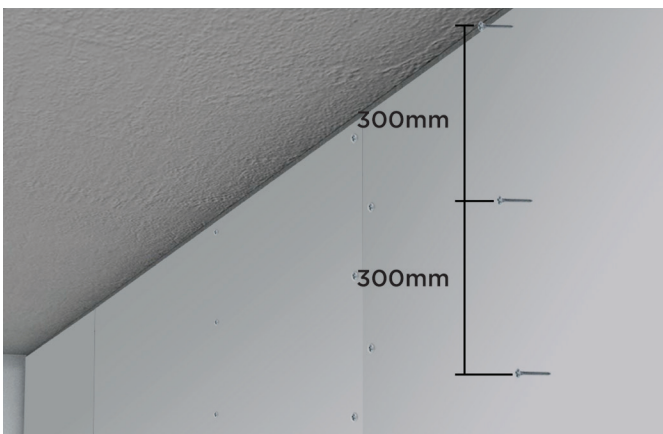
Step 4: Install intermediate C studs, spaced at maximum of 610mm using 12mm thick USG Boral Standard board. The studs open face should face a single direction.



Step 5: Fasten gypsum boards to metal frames on a staggered manner. Fasten at sheet ends using Type S or D gypsum screws spaced no more than 200mm on centers. It is recommended to provide, at least, 10mm gap at gypsum board top and bottom.



Step 6: Stagger screw locations at sheet ends to provide fastening space for the screws.



Step 7: Space screws at 300mm maximum in the field.



Step 8: Use USG Boral Premium Jointing and Premium Premix and paper tape to have a complete jointing system.

USG BORAL CONCEALED CEILING INSTALLATION GUIDE

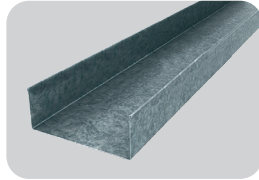
Tools and Materials Required



Type S and D gypsum screws



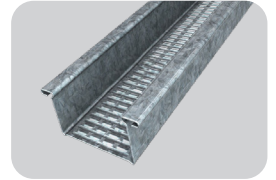
Power tool



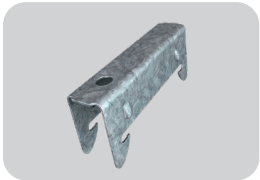
Wall angle



Top cross rail



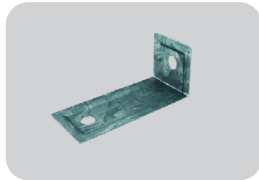
Furring channel



Locking key



Hanger rod



Suspension rod bracket



Adjustable suspension clip



Cutter

USG Boral Products



Gypsum Boards



Premium Jointing



Premium Premix



Paper Tape

SECONDARY FRAME SPACING

USG Boral Gypsum Board Types

9 mm Standard Board
12 mm Standard Board
10 mm Unispan

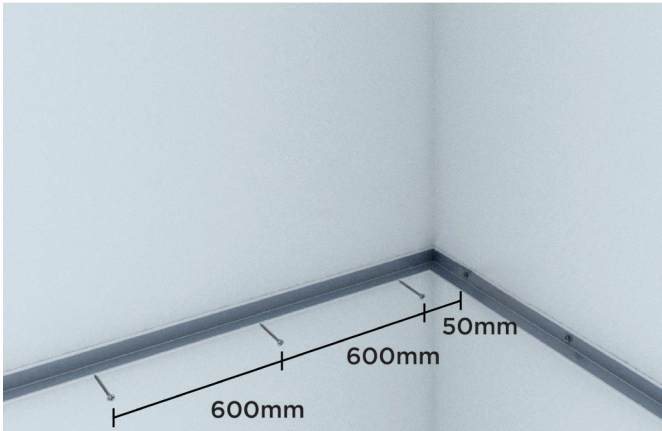
Furring Channel Maximum Spacing

406 mm
610 mm
610 mm

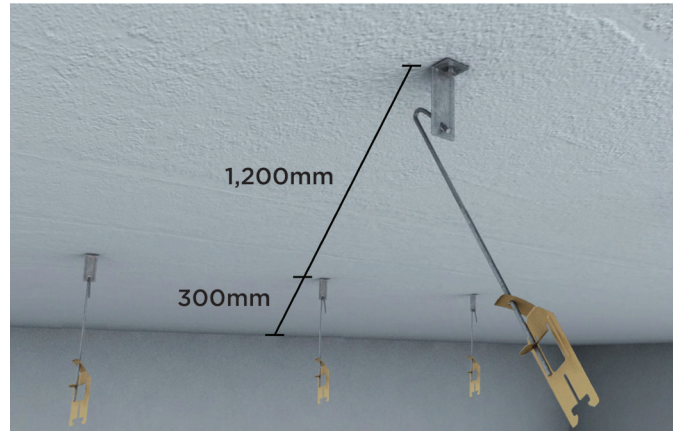
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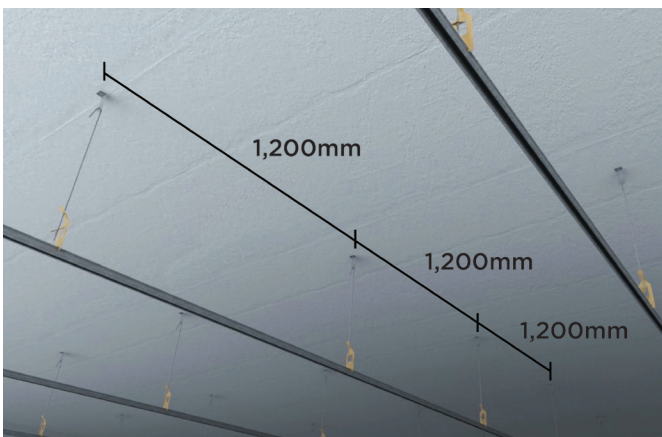
Application Steps



Step 1: Fasten wall channel or wall angle based on the established ceiling finish line at 50mm, initial, and rest at 600mm on center maximum.



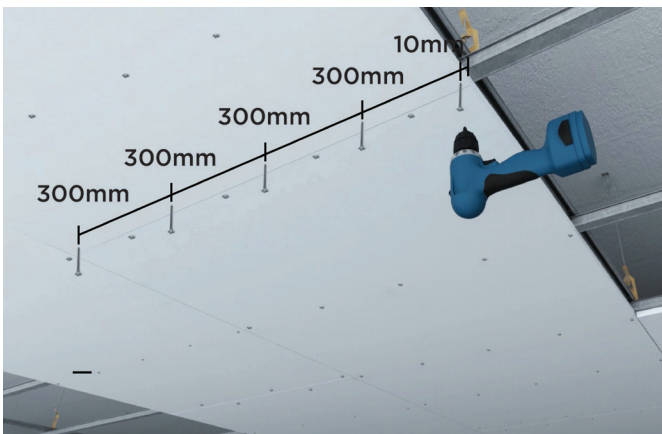
Step 2: Install soffit brackets/roof brackets. Start 300mm, maximum, from the face of the wall; rest spaced at 1200mm maximum.



Step 3: Install suspension rod, adjustable suspension clips and top cross rail (TCR)/primary carrying channel. The soffit and ceiling brackets may be used as reference.



Step 4: Install furring/secondary framing perpendicular to top cross rail/primary carrying channel. Please refer to the table of secondary frame spacing.



Step 5: Install gypsum boards perpendicular to the secondary framing on a staggered pattern. Fasten using Type D or S gypsum screw at 300mm spacing on center.



Step 6: Apply jointing using USG Boral Premium Jointing, Premium Premix and Paper Tape to achieve the desired level of finish.

NOTE:
• It is recommended to provide additional

JOINTING AND FINISHING INSTALLATION GUIDE

Tools Required



Joint knife



Trowel



Sanding paper

USG BORAL RECOMMENDED JOINT SYSTEM TO ACHIEVE LEVEL 4 FINISH

USG Boral Level 4 Joint Finish System over Gypsum Board	Standard All Purpose Joint Finish	Professional Joint Finish
USG Boral Paper tape		
1 1ST COAT		
2 2ND COAT		
3 FINISHING COAT		
SAND + PAINT	If required, sand joints (150-220 mesh sand paper) prior to priming and painting.	
SKIM COATING + PAINT	Level 5 Finish Skimcoat entire surface plus prime and paint. Required for areas with critical or severe light, dark tone paints or paint sheen levels other than flat.	

The term 'level of finish' applies to plasterboard linings prior to decoration. As per ASTM C840 Application and Finishing of Gypsum Board defines three levels of finish: 3, 4 and 5.

Level 4 is the default level of finish for gypsum board linings, unless specified otherwise. 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.

Application Steps



Step 1: First coat - Fill any gaps in joints with base compound prior to the taping process and fill recessed joint with a layer of base compound using a flexible 150mm broadknife.



Step 2: First coat - Centre and press the paper tape into the base compound using a 150mm broadknife, drawing along the joint with sufficient pressure to remove excess compound.



Step 3: First coat - Apply a skim coat of compound to fill the recess and spot fastener heads.



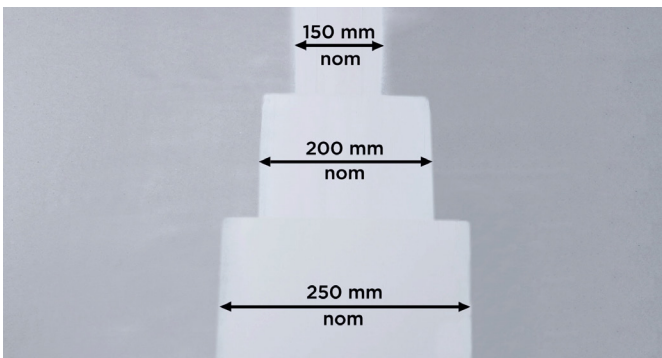
Step 4: Second coat - Allow sufficient time for the first coat of base compound to set then apply a second coat of base compound approximately 200mm wide. Feather joint edges.



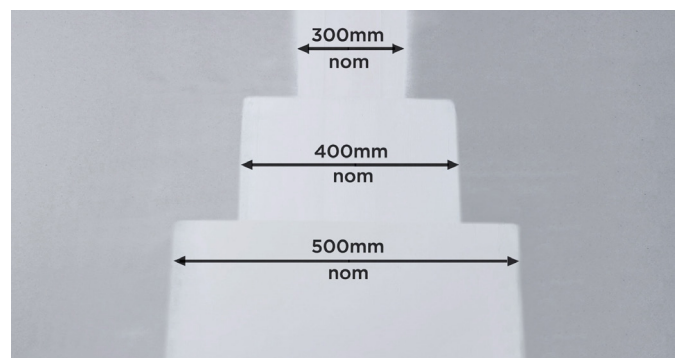
Step 5: Finishing coat - Using a trowel, apply a coat of finishing compound approx 250mm wide, feathering out approximately 25mm beyond edges of the basecoat.



Step 6: Dry sanding - Use a curved trowel on the finishing coat to produce a slight convex curve. Feather out the edges.



Recessed joint system: Follow coating width application for recessed joint system



Square joint system: Follow coating width application for square joint system

NOTES:

- Allow 24 hours or completely dry (longer in cold, wet weather conditions). Vertical joints should be kept a minimum of 200mm from the edge of openings.
- When dry, lightly sand to a smooth finish with sanding mesh or 150-220 grit paper, depending on sanding hardness of finishing compound used.

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