MADA GYPSUM

ALL-PURPOSE JOINTING **COMPOUND**

Issue No. 02 | September 2023

MADA ALL-PURPOSE **JOINTING COMPOUND**

- Premium grade, lightweight, all-purpose finishing compound
- Ideal for all three coatings, or as a finishing coat
- Superior workability, easy to apply
- High performance ASTM C475 Compliant.
- Minimal mixing and fast tool clean up
- Excellent bonding properties
- Ideal for paint and other wall coverings
- Sand with mechanical tools or by hand
- Smooth finish

MADA GYPSUM COMPANY (MGC) All-Purpose Jointing Compound uses a Calcium Carbonate-based, non-asbestos formulation, with acrylic polymers and other additives to provide excellent crack free jointing and bonding, and improved workability over other jointing compound formulas. Our All-Purpose Jointing Compound requires only minimal mixing thinning, or retempering and is ready to use from the pail. Joint finishing is faster, easier, and smoother, to reduce labor costs while providing a superior finish.

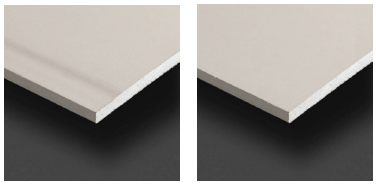
TECHNICAL **SPECIFICATIONS**

Parameters	Applicable Standards	Mada All-Purpose Jointing Compound
Color	-	White
Density, kg/m^3	-	1.60 – 1.65
Viscosity, cP	-	100,000 - 300,000
Drying time, mm:ss	-	< 60:00
VOC's compliant	EN 16516 / ASTM D 5116 / ASTM D 3960	Below detection limit
Jointing coverage	Theoretical	50 m^2/pail
Skimming coverage	Theoretical	35 m^2/pail
Shelf life	Under proper storage conditions	12 Months
Packaging	Per pail	28 kg

ABOUT **JOINTING COMPOUND**

Mada Gypsum Company (MGC) manufactures and supplies a high-quality all-purpose and consistent jointing compound to transform plasterboard joints, angles and fastener heads into one seamless surface. MGC recommends the use of a 3 coat jointing system for all plasterboard joints with Mada Joint Tape.

1



Gypsum boards have Square & Tapered edges on the longitudinal sides.

2

All Gypsum Board joints, horizontal or vertical, need to be filled and seamlessly finished using Mada Jointing Compound.

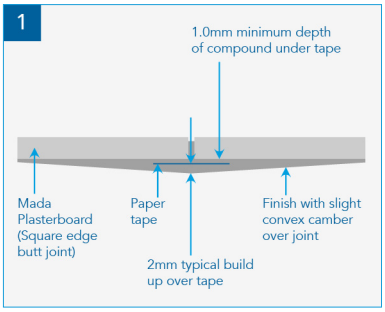
3

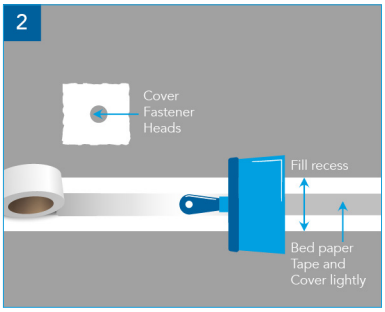
Jointing Compound provides strength to the horizontal and vertical joints.

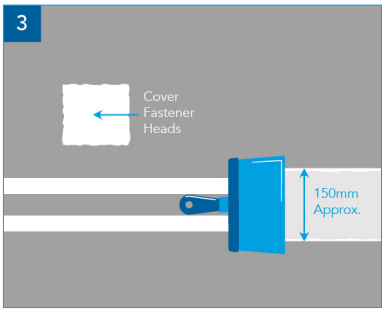
4

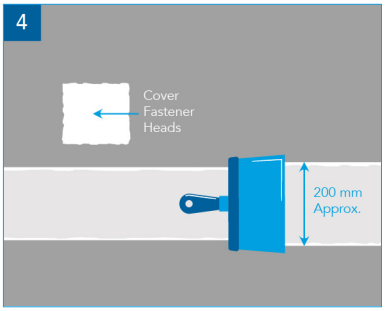
Various element designs of architectural requirements can easily be achieved with gypsum boards.

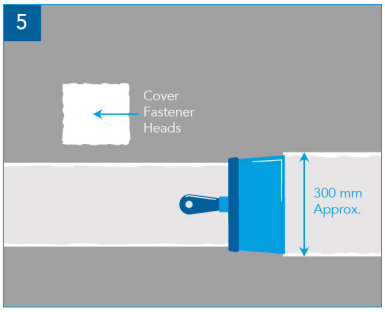
DRYWALL
FINISHING TIPS











General

1. Taping knives should be kept as clean as possible. After each knife pass, you should return the excess compound to the taping pan.

2. Thoroughly mix the compound (even ready-mix) with a mixing paddle and electric drill before applying to the wall surface.

3. Remove any dried compound from the pan before each use. Never mix dry and fresh toppings, as the dry mixture will result in an uneven finished surface.

4. Always check that screws are below the finished drywall by running your knife (or another tool) across the drywall surface. If you hit a screw head, tighten it to set the correct depth.

5. Longer knife passes (strokes) will minimize sanding later.

6. When using paper tape, pass the tape piece through a bucket of water, wetting both sides of the tape before applying.

7. Taping knife blades must be flexible to properly embed the tape into the compound and evenly spread the topping at the joints and seams.

8. Do not overload your knife with compound, as the excess will hit the floor, creating a mess and wasting material.

9. Press the knife against the drywall surface and move it slowly along the joint, flattening the blade as you move.

10. After the first pass, clean off the knife on the side of the pan and smooth the entire joint in one stroke.

Finishing Sequence

1. Start by finishing butt joints on the ends of each drywall sheet.

2. Next come the tapered joints along the long edges of the drywall sheet.

3. The last areas to be worked are inside corners followed by outside corners. When finishing inside corners drywall joints, remember to work one side at a time.

Butt Joints

1. Cut tape to the length of all joints you will be finishing before starting.

2. After covering the butt joint with the joint compound, center the tape over the butt joint.

3. Wipe off any excess joint compound that squeezes out and return it to your mud pan. Once the tape is in place and smooth, cover the entire joint with more topping and repeat the smoothing process.

4. Some professionals recommend letting the compound dry for 24 hours before applying a second joint compound coat.

5. When finishing butt joints, remember to wipe off joint compound from both corners of the knife after each pass.

Tapered Joints

Finishers must fill tapered joints with joint compound by using a 5" wide knife before repeating steps 5-8 above.

Fasteners

Apply light sanding using fine 220 grit paper on a 75x205 mm sanding block or pole sander tool. After dusting or vacuuming the surface, shine a light to check for flaws or imperfections and fill with thinned mud drawn tightly.

To provide a Level 1 or higher finish requires the following products:

- Paper or fiber joint tape
- Corner tape
- Mada All-Purpose Jointing Compound

* Recommended for use with all Mada Drywall Systems, the average coverage area of MADA Jointing Compound is 0.5 - 0.8 Kg/m^2.

To provide a Level 5 finish requires the products above, plus one of the following:

- Mada Thin Coat Render for concrete/block wall systems
- Mada Hand-Applied Render for internal locations
- Mada Machine-Applied Render for plastering machines

Additional products for a complete installation can include corner bead and flexible joints to allow structural or substrate movements.

DRYWALL
FINISHING LEVEL

0

Level 0 Finish

This finish level includes installing the drywall to cover the framing system without tape, topping, or corner bead. Level 0 is ideal for spaces where the final finishes have not yet been determined, as well as temporary barricades, above-ceiling locations, and back-of-house areas, not visible to the public.

1

Level 1 Finish

All joints, seams, and corners require joint tape embedded in the topping compound. Some tooling marks are acceptable, but the finished surface should be free of any topping compound excess. A Level 1 finish typically occurs in plenum areas above the ceiling, attic spaces, service corridors, and other concealed areas.

2

Level 2 Finish

All joints, seams, and inside corners require joint tape embedded in the topping compound, followed by a thin second coat for sealing purposes. All fasteners, penetrations, and accessories receive a single layer of topping. The finished surface should be free of excess topping, and some tooling marks are acceptable. A Level 2 finish is ideal where final appearance is not critical, such as garages, storage spaces, and mechanical/utility rooms.

3

Level 3 Finish

All joints, seams, and corners require joint tape embedded in the topping compound, followed by two thin coats of topping compound. All fasteners, penetrations, and accessories receive two thin layers of topping compound. Surfaces should receive a light sanding between topping compound applications. Finish surfaces should be smooth and free of any tool marks. A Level 3 finish works well for areas to receive texture, wallpaper, or wainscoting.

4

Level 4 Finish

All joints, seams, and inside corners require joint tape embedded in the first layer of the topping compound, followed by three additional topping coats for a smooth finish. All fasteners, penetrations, and accessories receive three thin layers of topping. Surfaces should receive a light sanding between topping compound applications. Level 4 is ideal for areas receiving a flat paint, delicate texture, or lightweight wall covering finish. Not recommended for critical light areas as flashing (joint photographing) may occur.

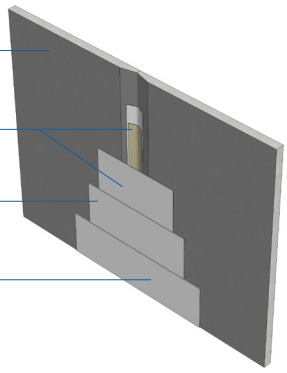
5

Level 5 Finish

This level consists of meeting all Level 4 requirements, with a final skim coat of topping compound (or another specialized product) applied to all exposed surfaces of the wall assembly for an ultra-smooth finish. This highest finish level works well with walls that receive semi-gloss, gloss, or other non-textured paints or wall coverings. The ideal level for critical lighting areas to eliminate flashing (joint photographing) caused by a window or other light source. Designers and architects should identify level 5 finishes on the construction plans and documents to inform potential bidders.

JOINTING & FINISHING PROCESS
APPLICATION

Tapered Edge Board Jointing



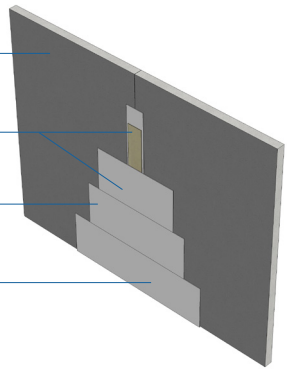
Mada Plasterboard

Bedding coat (150mm) using Mada tape bedded in to Mada All-Purpose Jointing Compound

Second coat (200mm) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond bedding coat

Third coat (300mm) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond bedding coat

Square Edge Board Jointing

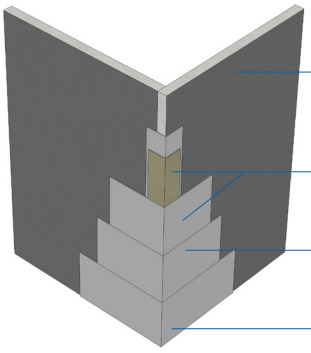


Mada Plasterboard

Bedding coat (300mm) using Mada tape bedded in to Mada All-Purpose Jointing Compound

Second coat (400mm) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond bedding coat

Third coat (500mm) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond second coat



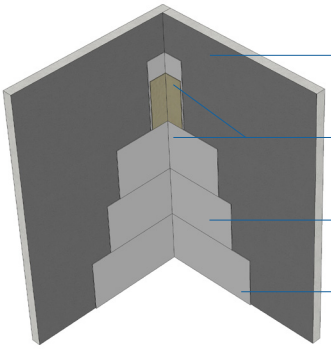
External Corner Joints

Mada Plasterboard

Bedding coat (150mm each side) using Mada Metal corner tape bedded in to Mada All-Purpose Jointing Compound

Second coat (200mm each side) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond bedding coat

Third coat (300mm each side) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond second coat



Internal Corner Joints

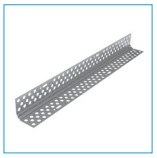
Mada Plasterboard

Bedding coat (100mm each side) using Mada tape bedded in to Mada All-Purpose Jointing Compound

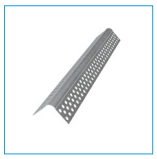
Second coat (125mm each side) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond bedding coat

Third coat (150mm each side) of Mada All-Purpose Jointing Compound feathered out 50mm to 60mm beyond second coat

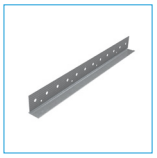
JOINTING COMPOUND
ACCESSORIES



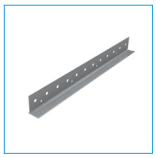
Mada Corner Bead (Internal)
are ideal for a quick and easy finishing for your internal corners. The beads are available in a variety of standard and customized sizes. They can be fixed to the sheet of plasterboard with an adhesive or staples, with the finishing coats bonding into the plasterboard and feathering up to the bead nib.



Mada Bull Nose Bead
are ideal for a quick and easy finishing for your external corners. The beads helps soften the corners and avoid easy damage compared to sharp corners and are available in a variety of standard and customized sizes.

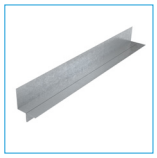


Mada LC – Bead (J - Shaped)
are ideal for Mada's Plasterboards of 12.5mm to 16mm thick. The finishing coats are applied up to the nib, which is blended back into the sheets.

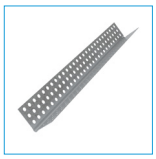


Mada L-Bead
have a perforated, recessed edge and are used where the edge of the plasterboard is not exposed and where the fitting of a Stopping Bead would be difficult. The L Bead is fixed to the sheet of plasterboard with an adhesive or staples, with the finishing coats bonding into the plasterboard and feathering up to the bead nib.

Mada Stopping Bead
are cold-roll formed profiles made from pre-painted corrosion resistant hotdipped galvanized steel and conforming to ASTM A-653.They are ideal to use for a quick and easy finishing for your external corners. The beads are available in a variety of standard and customized sizes.

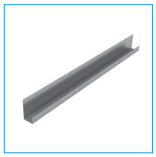


Mada Shadow Gap
are cold-roll formed profiles made from pre-painted corrosion resistant hotdipped galvanized steel and conforming to ASTM A-653.



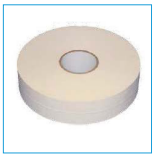
Mada Corner Bead (External)
are ideal for a quick and easy finishing for your external corners.

Mada M-50 Shadow Gap
are cold-roll formed profiles made from pre-painted corrosion resistant hotdipped galvanized steel and conforming to ASTM A-653.



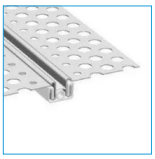
Mada Casing Bead
serve as plaster blocks and are square cornered metal beads that fit snugly over the edge of Plasterboards for protection at abutments, whilst no setting required. Upon installation, the Casing Beads allow Jointing compound to maintain a straight line and may then be easily painted at site.

Mada Fiber Joint Tape
is composed of twisted strands of fiber glass woven at right angles to one another and used for reinforcing drywall joints. Suitable for hand or mechanical application with Mada Gypsum's Jointing Compound.



Mada Paper Joint Tape
is non-elastic and will create stronger joints. The Paper joint tape must be completely saturated and embedded into the base coat to avoid air bubbles. It is suitable for hand or mechanical application with Mada's jointing compound.

Mada Metal Corner Tape
Mada Paper Faced Metal Corner Tape is made up of strong paper tape reinforced with two parallel corrosion resistant metal strips. They are ideally used for protection of Internal and External corners, Archways and unusual angles.



Mada Control Joint (Expansion Joint)
has a specially designed PVC rubber flexible joint which locks onto two galvanized setting beads. A protective filament tape is attached to the flexible joint section to keep it clean when applying the setting compound, and is removed on completion.

MADA GYPSUM

BUILDING EXCELLENCE

All-Purpose Jointing Compound

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