PMO 593 SYSTEM
FOR DRYWALL FINISHING

Installation Guide



ARDEX
Building tomorrow

PREFAB
MODULAR
OFFSITE

PMO 593 SYSTEM

JOINT FILLER FOR DRYWALL

Fast, Easy and Crack Resistant Drywall Finishing Designed For Modular Construction

ARDEX PMO 593 is a two-component joint filler and smoothing compound for drywall construction. It cures by chemical reaction, so curing does not depend on ambient moisture conditions. It cures shrinkage-free and adheres well to porous substrates.

RAPID CURING TIME

PMO 593 F drastically reduces curing time to just four hours, allowing the entire finishing process to be completed on the same day without occupying valuable factory space for drying or storage.

SINGLE-STEP APPLICATION

PMO 593 can be applied easily with a dispenser or directly from the bucket, enabling joints to be filled and levelled in a single step—without the need for paper tape and without any risk of shrinkage.

CRACK RESISTANT

The strong and yet flexible formulation of PMO 593 keeps joints intact even under transport stress. Its reliable performance throughout handling and logistics is verified through transportation simulation tests in accordance with ASTM D4169-23. This helps avoid defects and the cost of on-site rework.

NON-COMBUSTIBLE

PMO 593 is certified according to EN 13501-1 as a non-combustible (A2) product.

SAFE FOR YOUR WORKFORCE

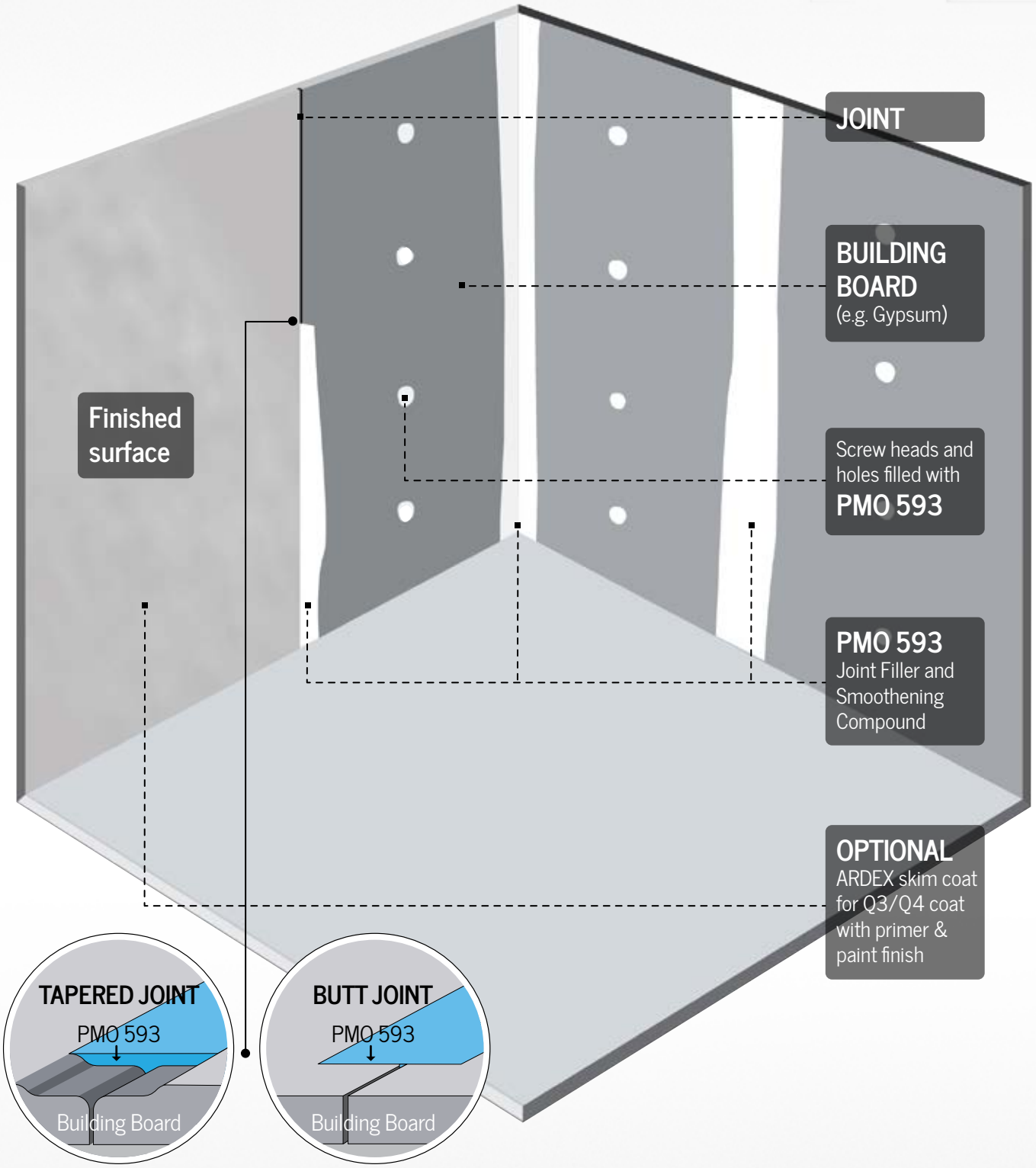
PMO 593 is a PU-free technology with no hazardous components, ensuring safe handling in production.

PMO 593 SYSTEM COMPONENTS

	PRODUCT	ARTICLE CODE	PACKAGING
	**PMO 593 F** Joint filler & smoothening compound for manual application with dispenser	49414	490 ml cartridge In box of 8 incl. 8 static mixers
	**PMO 593 S** Joint filler & smoothening compound for manual application	49206 49537	3 ltr bucket (A Comp.) 300 ml tubular bag (B Comp.)
	**ARDEX MULTIPRIME** Primer for dusty substrate	10155	20 ltr

For further product related information
please see the technical data sheet of ARDEX PMO 593 F and ARDEX PMO 593 S

PMO 593 SYSTEM OVERVIEW



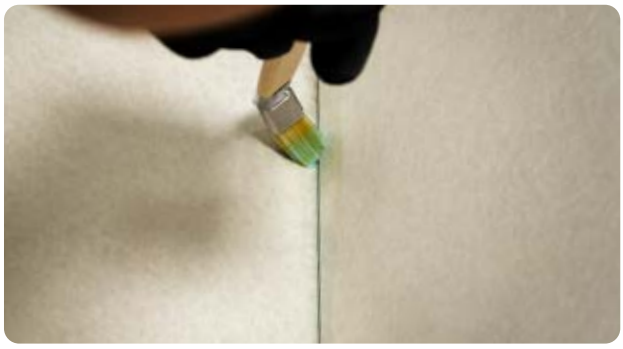
PMO 593 SYSTEM STEP BY STEP MANUAL



1

The substrate must be stable, sound, clean and free of release agents. Preliminary testing of optimal adhesion should be performed.

The system can be applied to different joint geometries, such as tapered or V-shaped joints.



2

For application on cut gypsum boards (butt-joints), it is recommended to prime the joints in advance with a suitable primer (e.g. ARDEX MULTIPRIME). This serves to bind dust particles and ensure sufficient adhesion to the gypsum core. At the same time, it prevents uneven curing of the material and thus possible shrinkage.

NOTE Please consult the local technical service for advice on product.



3

ARDEX PMO 593 F is suitable to be applied with the use of an electric or pneumatic cartridge dispenser.

NOTE Please consult the local technical service for advice on suitable equipment.



4

Position the cartridge of PMO 593 F properly into the dispenser. Test on a waste area whether material flow of both components is sufficient.



5

Attach the static mixer (which is delivered in the box) on the cartridge of PMO 593 F. Cut the tip of the static mixer according to the dimension of the joint.



6

Test on a waste area whether material flow and material mixing of both components is sufficient.



7A

For application before board placement, apply material on the edge of the board before placing the next board.

NOTE This way of application ensures a safe and full filling of the joint.



7B

For superficial application of ARDEX PMO 593 over the joint surface, apply the material to the center of the joint and approximately 10 cm on either side, ensuring that enough material is applied to adequately cover the joint area.

NOTE Use PMO 593 to fill and level holes from mechanical fastenings (e.g. screws, staples, nail heads).



8

Within 20 minutes after application, use a trowel or spatula to press the material in the joint. Subsequently level the joint surface ensuring full coverage and avoiding air pockets.

NOTE Applying a reinforcement tape or paper tape is not required.

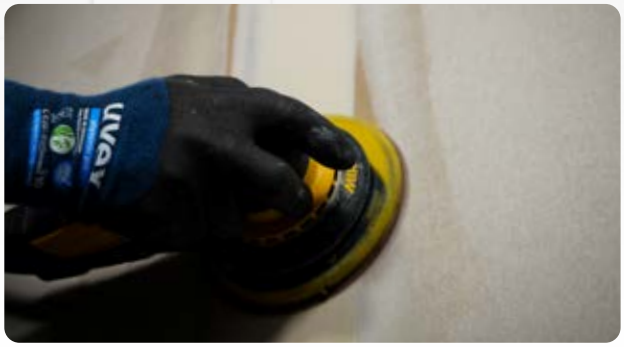


9

Use a trowel or spatula to level the material to achieve a smooth homogenous finish over the complete joint area.

NOTE A slight material build-up is preferable to a depression. Excess material can be corrected by sanding, whereas insufficient filling requires rework.

FINISHING OPTION A: FOR Q2 (EU) OR LEVEL 3/4 (US) FINISH



10A

For a Q2 (EU) or level 3/4 (US) finish, sand the joint surface the next day using a sanding grit (grit 100 - 120).



11A

Apply a dispersion based primer on the complete wall surface.

NOTE Due to different absorption rates of PMO 593 and the drywall boards, priming evens out the drying rate of the paint on the surface and helps prevent variations in the final colour.



12A

Once the primer has dried, paint the surface with a dispersion based interior wall paint.

FINISHING OPTION B: FOR Q3/Q4 (EU) OR LEVEL 5 (US) FINISH



10B

For a Q3/Q4 or a level 5 (US) finish, sand the joint surface no earlier than four hours after application using a sanding grit (grit 100-120).

Do not use sanding paper.

NOTE It is always required to sand the surface of PMO 593 before applying further coatings.



11B

Apply ARDEX skim coat (see page 3) over the complete wall surface. (Please follow the instruction on the TDS).

NOTE In most cases, one coat is sufficient to smooth the surface.



12B

On the next day, sand the surface using a sandpaper or a sanding grit (grit 120-240).



13B

Apply a dispersion based primer on the complete wall surface.



14B

Once the primer has dried, paint the surface with a dispersion based interior wall paint.

NOTE For application with PMO 593 S the two components are supplied in the correct mixing ratio (3 ltr of component A + 300 ml of component B). Component B is added to component A and mixed with a stirrer at low speed. Mix until a homogeneous, consistent colour is obtained. Avoid prolonged mixing as it will shorten the pot life. After mixing is completed, follow from step 7 using a spatula. The workable time of PMO 593 S is 40 minutes.

Our recommendations are based on extensive testing and practical experience. They do not replace guidelines, standards, approvals or the applicable technical data sheets. Because of the wide range of possible influences during processing and application, we always recommend carrying out a trial application.

No claims for compensation can be made based on this information – we may not disclaim any liability, such a denial must be supported by documented testing in accordance with the design and construction system alongside with the transportation monitoring.

For further product related information
please see the technical data sheet of ARDEX PMO 593 F and ARDEX PMO 593 S



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