

Product Data Sheet

Thistle® Bonding 60

Thistle Bonding 60 is a quick set repair and patching plaster that offers a faster way to repair walls with less risk of cracking and shrinkage. It provides a consistent 60 minute set time for a professional finish.

Where to use

The plaster is ideal for quickly patching and repairing existing walls, whether you need to repair small areas damaged by impact, conceal pipe and cable chases, or fill deep holes with multiple coats.

The shorter set time lets you patch and repair in half as much time as standard Thistle BondingCoat undercoat plaster. We recommend using Thistle Bonding 60 on medium to lower suction backgrounds.

Certifications

Environmental Product Declaration (EPD) available
[Click here.](#)



Product information

Composition

This is a retarded hemihydrate, pre-mixed gypsum plaster.

Colour

Pink.

Nominal weight

10kg tubs or 12.5kg and 25kg bags.

Where to buy

[Click here.](#)

Performance

Here we only provide performance information related to the product. Please see the White Book online for system-dependent performance.

Effect of moisture and condensation

Don't expose the plaster to moisture repeatedly or for long periods of time, as this can cause it to lose strength and adhesion.

Effect of temperature

Thistle plasters aren't suitable for plastering onto frozen backgrounds. However, you can use them in frosty conditions as long as you prevent the plaster from freezing after it's been applied. Dry, bagged plaster isn't affected by low temperatures.

Once Thistle plasters are fully set and dry, they shouldn't be exposed to temperatures above 49°C. When applying in hot or dry conditions, make sure the plaster doesn't lose water too quickly, as it needs some of the mixing water to set and reach full strength.

Application

Background preparation: solid backgrounds

We recommend using Thistle Bonding 60 on medium to lower suction backgrounds in renovation and refurbishment projects. All backgrounds need to be clean, sound and free from dust.

No pre-treatment is needed for:

- Medium density blocks
- Engineering bricks
- Metal lathing

We recommend pre-treatment for:

- Dense blocks
- Plasterboard
- Cast-in-situ and precast concrete
- Painted and tiled surfaces
- Ceilings

What about backgrounds not listed here? We suggest you test a small area before the larger job. For extremely high suction backgrounds, use a suction control product like Thistle GypPrime. When suction is high but not extreme, suction control may help, but it isn't usually necessary.

Mixing up

Add Thistle plasters to clean water and use clean mixing equipment, as contamination from previous mixes affects the setting time and strength. Fresh contamination has more of an effect than old, so you should wash equipment just after mixing rather than just before.

Thistle plasters are suitable for mixing by hand or using a mechanical whisk with a slow speed and high torque. While mechanical mixing speeds up the process, there is no need to continue mixing after you've dispersed the lumps and reached the right consistency. Over-mixing wastes time and energy, and can affect setting times, reduce workability, and make it difficult to achieve a flat finish.

Applying to different substrates

Thistle Bonding 60 sets in 60 minutes. We recommend you plan for a 45 minute working time, and wait until 75 minutes before finishing.

Apply the plaster with a firm pressure, build it out to the required thickness, then rule it to an even surface and lightly scratch it to form a key for 2mm of Thistle finish plaster.

Plastering onto board backgrounds

When applying Thistle Bonding 60 to Gyproc plasterboards, use Gyproc Joint Tape to reinforce joints and angles. Prefill gaps greater than 3mm between boards, spreading the plaster along each joint. Then press Gyproc Joint Tape firmly into the finish plaster, and immediately cover it with a further application. Allow the joints to stiffen but not dry before you begin plastering.

Plastering onto precast concrete

To reduce the risk of cracking, apply the floating coat using enough pressure to fill all of the gaps between units. Wire scratch the surface of the pricking-up coat to provide a good key for the floating coat, and allow it to set but not dry before applying the floating coat using the same plaster. Floating coats should be 8mm thick, applied up to a total plaster thickness of 25mm, and you should wire scratch the surface between each coat. Rule the final floating coat to an even surface and lightly scratch it to form a key; you could use a devil float to achieve this.

Plastering onto composite ceilings

Pre-treat concrete beams with Thistle Bond-it bonding agent. If required, control the suction of the infill panels with a dilute solution of Thistle GypPrime.

Plastering onto expanded metal lath

First apply a pricking-up coat, which should be forced through the metal lath to ensure good adhesion to the background.

Application (continued)

Wall application thickness (mm)	11
Ceiling application thickness (mm)	8
Gyproc HandiBoard, Gyproc WallBoard and Gyproc Plank: maximum recommended thickness (mm)	8
Engineering bricks with raked joints: maximum recommended thickness (mm)	11
Dense aggregate concrete blocks and no-fines concrete: maximum recommended thickness (mm)	11 (Thistle Bond-it may be required)
Normal ballast concrete soffits: maximum recommended thickness (mm)	11 (Thistle Bond-it may be required)
Other aggregate concrete: maximum recommended thickness (mm)	8 (Thistle Bond-it may be required)
Precast concrete units and composite ceilings: maximum recommended thickness (mm)	8 (Thistle Bond-it is required)
Extended metal lath: maximum recommended thickness (mm)	11 (from face of lath)
Backgrounds treated with Thistle Bond-it (e.g. glazed or painted surfaces): maximum recommended thickness (mm)	8
Expanded polystyrene soffits: maximum recommended thickness (mm)	8 (Thistle Bond-it may be required)
Expanded polystyrene walls: maximum recommended thickness (mm)	11 (Thistle Bond-it may be required)
Coverage per bag (m ²)	3.5 at 8mm thick 2.75 at 11mm thick
Working time: maximum	45 minutes
Set time: minimum	60 minutes
Finish time: minimum	75 minutes
Water requirements per bag (litres)	14 for 25kg bags 7 for 12.5kg bags 5.6 for 10kg bags
Dry set weight (kg/m ²)	9.1 at 11mm thick

Painting and wallpapering

Add a Thistle finish coat plaster before decorating.
Don't decorate directly onto Thistle undercoat.

Tiling

Add a Thistle finish coat plaster before decorating.
Don't decorate directly onto Thistle undercoat.

Snagging and minor repairs

Add a Thistle finish coat plaster before tiling. Don't tile directly onto Thistle undercoat.

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Sitework

Storage

Bags should be stored inside on a flat and stable surface, away from any sources of moisture, heat or direct sunlight. If storing on a concrete floor, use dry timber platforms. The bags should not be stored near any edges, openings, walkways or traffic areas, where they could fall or cause obstruction. Damaged or opened bags should be used first or discarded appropriately.

Don't stack more than four tubs high to prevent damage to the packaging.

Handling

British Gypsum fully accepts its responsibilities as a supplier of building materials and systems as required by Section 6 of the Health and Safety at Work etc. Act 1974.

To reduce manual handling risk, employers and workers should follow HSE's Manual Handling Operations Regulations 1992 (MHOR) and the HSE's guidance on manual handling at work (INDG143). Employers should carry out a risk assessment and implement control measures to avoid or minimise the need for manual handling. Workers should follow safe lifting and moving techniques and report any hazards.

Safety Data Sheet

Safety Data Sheet (SDS) available [Click here](#).

Shelf life

Stored correctly, this product has a shelf life of six months, and bags are marked with a use by date so you can use them in strict rotation. The tubs have a shelf life of 8 months.

Packaging overview

This trade repair product is packaged in a paper bag or plastic bucket and is supplied palletised.

Quantity per pallet	20 bags: 12.5kg and 25kg 20 tubs:10kg
Pallet: nominal height (mm)	570 for 25kg bags 340 for 12.5kg bags 400 for 10kg tubs
Pallet: nominal length (mm)	1220 for 25kg bags 1160 for 12.5kg bags 1200 for 10kg tubs
Pallet: nominal depth (mm)	1030 for 25kg bags 1000 for 12.5kg bags 1000 for 10kg tubs
Pallet: nominal weight (tonnes)	0.5 for 25kg bags 0.25 for 12.5kg bags 0.2 for 10kg tubs

Environmental

Disposal

Segregate the plaster from non-gypsum waste for recycling where possible, and dispose of it according to local authority requirements.



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