

Plaster Selector Guide Undercoat Plaster

| | Gyproc Hard Coat Alternative to sand and cement offering high impact resistance for use on most internal masonry backgrounds. | Gyproc Bonding Coat (Standard set times) For use on smooth or low suction backgrounds and some plasterboard conditions. | Gyproc Bonding Coat Short Set For use on smooth or low suction backgrounds and some plasterboard conditions. With reduced set times, ideal for smaller projects. |
|---------------------------------------|---|---|--|
| Low density thermal blocks | Use GypPrime to control suction where appropriate ✓ | | |
| Common concrete blocks | ✓ | | |
| Medium density concrete blocks | ✓ | ✓ | ✓ |
| Dense concrete blocks | Not on smooth low suction blocks ✓ | Use ThistleBond-it on smooth low suction blocks ✓ | Use ThistleBond-it on smooth low suction blocks ✓ |
| Metal Lathing | When bridging columns and lintels ✓ | ✓ | ✓ |



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Watch the demo video

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ENHANCE SOUND INSULATION

WITH THE EASY TO APPLY
QUICK TO DRY
HARD COAT



Gyproc Hard Coat



Gyproc Hard Coat is a gypsum based undercoat plaster for use on most masonry backgrounds. Applied in conjunction with a final coat of Gyproc Finish Plaster, it provides a smooth, inert, high quality surface to internal walls. The finished combination has excellent impact resistance, quick surface drying, a high resistance to efflorescence, and gives a durable base for the application of decorative finishes.

Acoustic Performance

The application of Gyproc Hard Coat improves the sound insulation performance of masonry walls. Gyproc Hard Coat adds additional mass to the wall and seals the porous nature of the masonry, restricting the passage of sound energy.



Building Regulations (ROI) Technical Guidance Document Part E: Sound 2014 currently requires that for new dwelling units and material changes of use to existing buildings creating dwelling units, all separating walls offer a minimum sound insulation performance of at least 53 $D_{nT,w}$ dB. Where Northern Ireland Building Regulations apply, Technical Booklet G: Resistance to the passage of Sound 2012 currently requires an airborne sound insulation performance for new dwellings of 45 $D_{nT,w} + C_{tr}$ dB. The application of 11mm Gyproc Hard Coat + 2mm Gyproc Skimcoat applied to both sides of a typical 7.5N 215mm concrete blockwork party wall has demonstrated site tested airborne sound insulation performances as high as 62 $D_{nT,w}$ dB (57 $D_{nT,w} + C_{tr}$ dB). Flanking design, building materials and workmanship may vary from site to site and should be taken into consideration.

Airtightness

When applied to masonry walls Gyproc Hard Coat finished with a Gyproc finishing plaster can provide a significant contribution to the overall airtightness performance strategy of a building. Test results undertaken in a UKAS accredited laboratory demonstrate that the application of Gyproc Hard Coat + Gyproc Skimcoat finish plaster over 100mm concrete blocks, laid on edge, can offer an air permeability performance of 0.03 $m^3/h.m^2$ (50Pa).



Applications

| Background/ lining | Coat Thickness mm | Approx. weight set and dry kg/m^2 | Approx. Coverage $m^2/1000kg$ |
|--|-------------------|-------------------------------------|-------------------------------|
| Common Brick walls and concrete bricks (with raked joints) | 11 | 9.3 | 115 - 130 |
| Engineering bricks (with raked joints) | 11 | 9.3 | 115 - 130 |
| Dense aggregate and lightweight aggregate concrete blocks | 11 | 9.3 | 115 - 130 |
| Aerated concrete blocks (pre-treatment may be necessary to control high suction) | 11 | 9.3 | 115 - 130 |

NB When applying by plaster projection machine, an allowance should be made for a reduction in coverage of approximately 10%

Coverage

| Approx Coverage (m^2) | Setting (hrs.) | Water (ltrs.) | Dry set (kg) | Pallet (kg) |
|--|----------------|---------------|--------------|----------------|
| 3.0 @ 11mm thickness (applied by hand) Approx 10% less if sprayed | 2 - 5 | 15.0 per bag | 9.3 @ 11mm | 1125 (45 bags) |

NB The above dry weight does not include Finish Plaster.

Hard Coat Vs. Sand & Cement

The use of Gyproc Hard Coat finished with a Gyproc Finish plaster offers the following benefits over sand and cement:

COVERAGE

- Up to 130 m^2 per tonne at 11mm thickness.

PERFORMANCE

- Up to 100% harder than other Gypsum undercoats.
- Thermal resistance is 4 times higher.
- Offers high resistance to efflorescence migration from background to surface.
- No shrinkage cracking will occur with the use of Gyproc Hard Coat with a Gyproc Finish Plaster.
- Pre-mixed for guaranteed quality.

SPEED / TIME

- Paint up to 15% sooner due to surface drying time. (Depending on location and weather conditions)
- Gyproc Finish Plasters can be applied as soon as Gyproc Hard Coat has set or can be wet down for later finishing.
- Offers easy handling and less mess.
- Wastage can be as low as 1%.

APPLICATION

- Can be applied by machine or by hand.

WARRANTY

- Gyproc Hard Coat and Gyproc Finish Plasters are fully covered by the Gyproc SpecSure warranty.