

Gyproc OneCoat is a gypsum based lightweight plaster that's easier to spread and less physically demanding than other systems leading to greater speed of use, reduced working time and improved performance on site. Gyproc OneCoat also provides a high quality, durable finish, which is ready for decoration, with a single application, saving time whilst improving the quality of indoor air by removing formaldehyde from the air.



AIRTIGHTNESS

When applied to masonry walls Gyproc OneCoat can provide a significant contribution to the overall airtightness performance strategy of a building.

Test results undertaken in a INAB accredited laboratory demonstrated that the application of 10mm Gyproc OneCoat over 100mm Irish manufactured concrete blocks, laid on edge, offered an air permeability performance of 0.028m³/h.m² (50pa).

MIXING AND APPLICATION

When mixing Gyproc OneCoat, for optimum results, hand mixing should be carried out with an 1800watt mechanical drill.

For machine application, Gyproc OneCoat plaster works well with most electrical spraying machines.

The plaster should be applied in an even manner and can be built out to a minimum depth of 10mm, up to 15mm in single application. If required, Gyproc OneCoat can be built out to a maximum depth of 25mm (for more details please see Product Data Sheet at www.gyproc.ie).



ACOUSTIC PERFORMANCE

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

BUILDING REGULATIONS (ROI & NI) 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 DnTw 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 DnTw+Ctr dB.

The application of 13mm Gyproc OneCoat 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 58 DnTw dB (53 DnTw+Ctr dB).

Flanking design, building materials and workmanship may vary from site to site and should be taken into consideration. Further information on the test evidence referenced can be provided upon request.



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GYPROC ONECOAT PLASTER

A lightweight one coat plaster suitable for use on a wide range of masonry backgrounds.



APPLICATIONS

Background/lining	Coat thickness mm	Approx. coverage m ² /1000kg***
Common brick walls and concrete bricks (with raked joints)	10/13**	120 @ 10mm 93 @ 13mm
Engineering brick (raked joint)		
Medium density block		
Dense block		
Cast in situ/pre-cast concrete (Pre-treatment with ThistleBond-it required)		

COVERAGE

Coverage per bag approx. m ² ***	Setting time hrs	Water requirement Ltr	Pallet Qty bags	Shelf Life mths
2.3 @ 13mm thickness	4-5	18L per bag	50	9
3 @ 10mm thickness	4-5	18L per bag	50	9

* For non-performance walls

** For party walls to meet Building Regulations

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

Note: Consideration should be taken at design stage to details such as door jams to ensure they are in line with the depth of plaster to be applied.

INDICATIVE APPLICATION PROCESS

Timings are indicative, subject to environmental and specific site conditions. This graphic is intended as a guide to indicate the difference in timings and process for this product vs. other finish products.

