British Gypsum Limited
Technical Advice Centre
East Leake
Loughborough
Leicestershire LE12 6JT

Tel: 0844 800 1991
Email: technical.enquiries@bpb.com
Website: www.british-gypsum.com

LETTER OF CONFORMITY

Introduction

Thistle Multi-Finish is a gypsum finish plaster for use on a wide range of backgrounds. It provides a smooth, inert, high quality surface to internal walls and a durable base for the application of decorative finishes.

This letter of conformity substantiates the airborne sound insulation performance for the system described below when a nominally 2mm-thick layer of Thistle Multi-finish is applied to both sides of the partition.

System reference: A206A141S

System description: Gypframe 70AS50 AcouStud at 600mm centres lined each side with a single layer of 15mm Gyproc FireLine with 50mm Isover 1200 in the cavity

From an extensive body of test evidence and experience in acoustic testing, the effect of applying a 2mm-thick layer of Thistle Multi-finish on the acoustic performance of the system can be estimated. The test evidence shows the magnitude of the effect of applying Thistle Multi-finish depends on the sound insulation spectral shape of the un-skimmed partition. By analysing the distribution of the adverse deviation compared to the rating curve the method derived shows that the effect of applying skim on the Rw rating can range from 0 to + 2dB.

The airborne sound insulation performance of the un-skimmed partition, Rw 44dB

The estimated airborne sound insulation performance of the skimmed partition, Rw is 45dB.

The estimated Ctr-corrected airborne sound insulation performance, Rw + Ctr is 37dB.

This letter is issued on the basis of test data and information to hand at the time of issue. If contradictory evidence becomes available to British Gypsum then the letter will be unconditionally withdrawn. Similarly, the letter is invalidated if the proposed construction is subsequently tested since actual test data is deemed to take precedence over an expressed opinion.

Issued by:

Robert Evans
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Date: 30th April 2014