

NBS National BIM Library
BIM Object Guide

Magnesium Oxide Board



Version 2

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1.0 Introduction

The BIM objects on the [NBS National BIM Library](#) for Resistant Building Products Limited have been created to comply with the [NBS BIM Object Standard](#) .

The BIM objects created include data from the following sources:

[buildingSMART IFC2X3](#)

[NBS BIM Object Standard](#)

[NBS BIM Toolkit](#) (Level of information – Section 5)

1.1 Modelled Products

BIM objects represent the following construction products;

BASE BOARD 10
1 Board 2 Faces Numerous Applications



Base Board 10

Multi-Pro



Multi-Pro MoistSure

Multi-Pro XS



Multi-Rend

2.0 Properties

2.1 IFC

Pset_CoveringCommon

www.buildingsmart-tech.org/ifc/IFC2x3/TC1/html/psd/IfcProductExtension/Pset_CoveringCommon.xml

Pset_WallCommon

www.buildingsmart-tech.org/ifc/IFC2x3/TC1/html/psd/IfcSharedBldgElements/Pset_WallCommon.xml

2.2 COBie

NBS BIM Object Standard refer to section 2.6

www.nationalbimlibrary.com/nbs-bim-object-standard/information

2.3 NBS_Data

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toolkit.thenbs.com/Definitions/Pr_25_71_52_50

2.4 NBS_General

NBS BIM Object Standard refer to section 2.7

www.nationalbimlibrary.com/nbs-bim-object-standard/information

3.0 Loading BIM Objects into Autodesk Revit

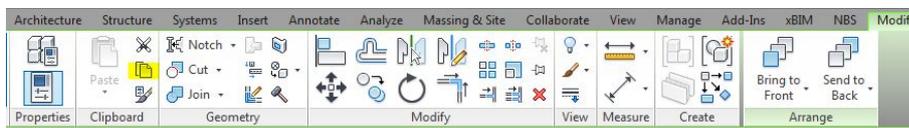
3.1 Layered BIM objects

Layered BIM objects can represent a single construction product or multiple layered construction systems. BIM objects created by the National BIM Library are intended to be added to a project as a system family.

3.2 Adding layered BIM objects to a project:

The typical method for adding a layered BIM object to a project is:

1. From the library object file select the BIM object required and Copy it (Control & C on your keyboard) or using the Modify tab on the toolbar and selecting Copy to Clipboard.



2. Now in the project destination file Paste the object (Control & V on your keyboard) or using the Modify tab on the tool bar and selecting paste.



3. This process will add the BIM object from the library file into the Project file.
Please note; typically the object will be placed in the project file as a System Family and can be deleted to avoid duplication.
4. The BIM object will now be available for use in the project file.

3.3 Using a layered object within a project

There are a number of approaches where the layered BIM object can be used within a project file:

The object can be selected from the relevant function within Revit. For example; if the product is a floor finish; then the Floor function should be selected and then the required BIM object would be selected. This process can be used for Roofs, Ceilings, Floors and Walls.

An alternative approach is that the BIM object can be added to an existing construction system within the project.

In this approach the designer would select the appropriate construction system and edit the build up to replace an existing material or layer with the required BIM Object from the material editor.

4 Abbreviations

Brd	Boards
COBie	Construction Operations Building Information Exchange
IFC	Industry Foundation Classes
Mgnsm	Magnesium
NBS	National Building Specification