Gyprex SATINSPAR

Product Data Sheet

Introduction

Gyprex SATINSPAR is a vinyl-faced gypsum tile used with CasoLine quick-lock lay-in grid to form a demountable suspended ceiling. It has a smooth, wipeable, surface finish and is ideal for use in a range of commercial and residential ceiling applications.

Product description

Gyprex SATINSPAR is a vinyl-faced gypsum tile used with CasoLine quick-lock lay-in grid to form a demountable suspended ceiling. It is available in either black or white, and in 600mm x 600mm or 1200mm x 600mm size formats. Gyprex SATINSPAR is ideal for use in areas where high moisture resistance, light reflectance on fire resistance are desired.

Board performance

Fire resistance

Gyprex SATINSPAR provides 30 minute fire resistance to BS 476: Part 23 when used in conjunction with CasoLine quick-lock grid and hangers and fully supported by SpecSure® lifetime system warranty.

Moisture resistance

Gyprex SATINSPAR is 80 times more water resistant than mineral fibre, greatly reducing the risk of unsightly staining. It is suitable for use in areas up to 90% relative humidity.

Durability

Gyprex SATINSPAR is a robust tile with greater resistance to scratches, dents and damage than equivalent non-gypsum based systems.

Physical properties

<table>
<thead>
<tr>
<th>Tile size</th>
<th>600mm x 600mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>8mm</td>
</tr>
<tr>
<td>Edge type</td>
<td>A Edge</td>
</tr>
<tr>
<td>Colour</td>
<td>White, Black</td>
</tr>
<tr>
<td>Finish</td>
<td>Smooth, unperforated satin finish</td>
</tr>
<tr>
<td>Mass</td>
<td>6.2 kg/m²</td>
</tr>
</tbody>
</table>

Product performance

Acoustic performance

D_10 up to 37 dB in accordance with BS EN 20140-9: 1994 and rated in accordance with BS EN ISO 717-1: 1987

Light reflectance

88% (white only)

Reaction to fire

Class 0, Euroclass B-s1, d0

Fire resistance

30 minutes to BS476 Part 23 when used with CasoLine quick-lock grid and hangers

Moisture resistance

Max 90% relative humidity

Temp resistance

Max 49°C continuous exposure

Water vapour resistance

45 MNs/g

Loading capability

Max 3kg per tile without pattressing, max 2mm deflection

1 Gyprex tiles are designed for 600mm x 600mm or 1200mm x 600mm grid systems. Actual dimensions are 594mm x 594mm and 1194mm x 594mm (+2/-1mm tolerance).
Application and installation

Handling and storage

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 Act 1974. However, in designing and installing systems incorporating British Gypsum products, full consideration must be taken of the legal requirements of:

2. Construction (Design and Management) Regulations.
3. Control of Substances Hazardous to Health Regulations (COSHH).

Installation

Products should be installed in accordance with relevant British Standards, in particular, reference should be made to BS 8290: 1991- Suspended ceilings, which is published in three parts: Part 1 Code of Practice for Design. Part 2 Specification for performance of components and assemblies. Part 3 Code of Practice for installation and maintenance.

Gyprex satinspar ceiling tiles are marked with a directional arrow on the reverse and should always be installed with this in alignment to ensure total consistency of pattern and shade in a production batch.

Fixtures

The strength of Gyprex satinspar ceiling tiles will support a point load of up to 3kg / tile for max. 2mm deflection. This will normally allow fittings such as spot lights or down-lighters to be installed without the need for a support pattress.

Environment

Gyprex satinspar ceiling tiles have been tested in accordance with BS 8290: Part 2 and are suitable for use under high humidity conditions - 90% RH at 25°C.

Gyprex satinspar ceiling tiles are unsuitable for use in areas subject to continuously damp or humid conditions above 90% RH, or in elevated temperatures consistently above 49°C. They can be exposed to freezing temperatures without risk of damage.

Recyclability

The gypsum core of Gyprex tiles is 100% recyclable. Casoline quick-lock grid is also 100% recyclable.

Product standards

All British Gypsum ceiling products are manufactured under management systems which have been independently audited and certified as conforming with ISO 9001: 2000. Gyprex satinspar conforms to BS EN 14190: 2014 Gypsum plasterboard from reprocessing – definitions, requirements and test methods.

Maintenance

The vinyl surface of Gyprex satinspar ceiling tiles can be cleaned using a damp cloth with water and a mild detergent.

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