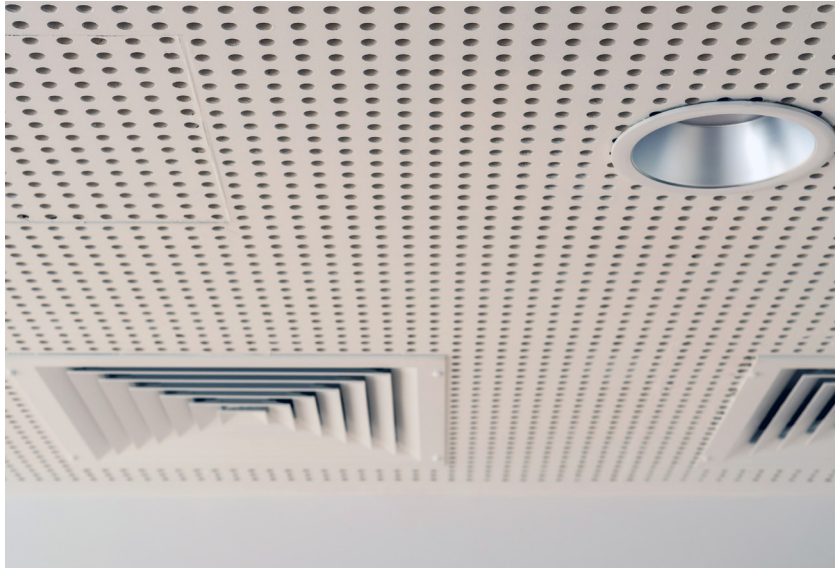
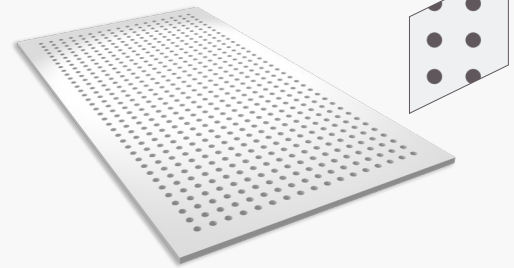


### ECOBLOCK - R12

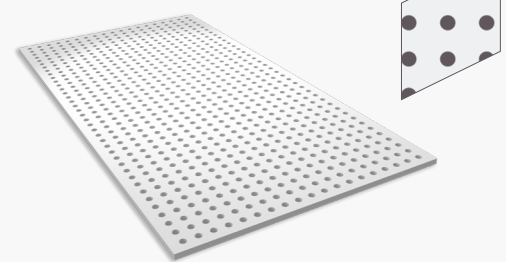
Round Perforation R12, 16.4%  
 Round Perforation R12, 18.1% Borderless



WITH BORDER 16.4%



BORDERLESS 18.1%



#### FEATURES & BENEFITS

- Great Aesthetics, Excellent Noise Absorption.
- Tested to achieve up to 0.85 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Certificated for Environmental Product Declaration (EPD) as per ISO 14025.
- A square edge allows for finishing to a flat and seamless ceiling or wall.
- It is produced in a borderless perforation pattern for a seamless appearance to enhance the ceiling aesthetic.
- Complies with E84 for flame spread and smoke development.
- Available in various customized perforation configurations.
- Laminated at the back with fiberglass fleece.

#### APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms
- Restaurants

#### ABSORPTION COEFFICIENT

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
R12	0.60	0.65	0.60	0.65	0.70	0.75	0.65
R12 with 19mm Soft Fiber Infill	0.70	0.90	0.80	0.90	0.75	0.65	0.85

\* Calculated to ASTM C 423-01

#### DESCRIPTION

Skyrock® Ecoblock Round Perforation R12 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long square edges for easy application when used with USG Middle East's EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back.

These Acoustical Gypsum Boards are ideal for various sound absorption applications and have an enhanced aesthetic look.

#### FINISHING AND DECORATING

The level of finish must be determined at the design stage since each level has specific requirements for substrate tolerances and gypsum board installation jointing and finishing. The desired level of finish may only be achieved if all of these requirements are met through various stages of construction.

USG ME recommends using EASYJOINT™ 60 Setting-Type Premium-Jointing Powder for the best jointing strength.

For priming and decorating with paint, USG ME recommends using roller applications. Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.

Avoid spray painting as it may block holes, thus affecting acoustic performance.

#### ADVANTAGES

- **Performance:** Manufactured in various configurations to satisfy many desired aesthetic designs.
- **Acoustic Performance:** Superior NRC Capabilities up to 0.85.
- **Easy to Install:** Scores and snaps are easy—similar installation to conventional plasterboard.

# SKYROCK®

## ECOBLOCK-R12



PRODUCT  
CERTIFIED  
FOR  
ENVIRONMENTAL  
PRODUCT  
DECLARATION



HIGH SOUND  
ABSORPTION



CEILING  
ATTENUATION  
CLASS

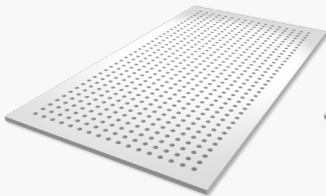
Skyrock® Ecoblock Round Perforation R12 meets specifications in accordance with ASTM E1264.

**Materials Classification:** Type G, Form G1, Pattern A

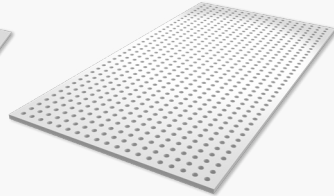
### PRODUCT DATA

Property	R12	R12 Borderless
Weight (kg/m <sup>2</sup> ) after the perforation	8.9	8.7
Thickness (mm)	12.5	12.5
Actual Length (mm)	2400	2400
Actual Width (mm)	1200	1175
Hole Type	Round	Round
Hole Size (mm)	ø12	ø12
Border (mm)	50	12.5
Pitch (mm) (center to center spacing between holes)	25	25
Holes layout (L x W)	93 x 45	96 x 47
Number of Holes (fully perforated board)	4185	4512
Perforation Rate (%)	16.4%	18.1%
Noise Reduction Coefficient (NRC)	0.65	0.65
Noise Reduction Coefficient (NRC) with Insulation	0.85	0.85
Board Edge detail	Square Edge	Square Edge
Mounting	E-400	E-400

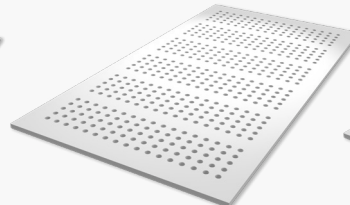
### R12 LAYOUT DESIGNS



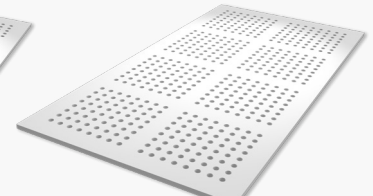
1200mm x 2400mm  
Gypsum Board R12, 16.4%  
45 x 93 Holes



Borderless 1175mm x 2400mm  
Gypsum Board R12, 18.1%  
47 x 96 Holes



Strip design



Globe 8 design

Additional patterns layouts are available upon request. Please contact USG ME nearest sales office.

### COMPLIANCE

- Comply with:
- ASTM C423 for Noise Reduction Coefficient.
- E84 for classification for fire propagation and surface flame spread.

**Disclaimer:** Information contained in this document is subject to change without prior notice due to our ongoing product development. We recommend referring to the website [usgme.com](http://usgme.com) for the most up-to-date and accurate product information.

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Skyrock® Ecoblock R12 Drywall Ceiling  
Version #: 4 / Revision date: 13-March-2025 / Issue date: 22-December-2021 / Doc. Ref DW-C-TDS004-4

This technical datasheet is intended for global use in regions where USG ME has authorized sales territories.