

ECOBLOCK - R8-15-20

Round Perforation R8-15-20, 20%



BORDERLESS 20%



FEATURES & BENEFITS

- Great Aesthetics, Excellent Noise Absorption.
- Tested to achieve up to 0.80 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.

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

ABSORPTION COEFFICIENT

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
R8-15-20	0.55	0.80	0.70	0.75	0.70	0.80	0.70
R8-15-20 with 19mm Soft Fiber Infill	0.70	0.95	0.80	0.90	0.75	0.65	0.80

* Calculated to ASTM C 423-01

DESCRIPTION

Skyrock Ecoblock Random Perforation R8-15-20 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 a range of configurations to satisfy a multitude of desired aesthetic designs.

Acoustic Performance: Superior NRC capabilities up-to 0.80.

Easy to Install: Scores and snaps easily. Similar installation to conventional plasterboard.

SKYROCK®

ECOBLOCK R8-15-20



PRODUCT
CERTIFIED
FOR
ENVIRONMENTAL
PRODUCT
DECLARATION



HIGH SOUND
ABSORPTION



CEILING
ATTENUATION
CLASS

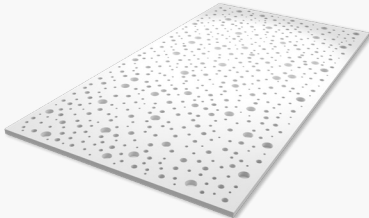
Skyrock® Ecoblock Random Perforation R8-15-20 meets specifications in accordance with ASTM E1264.

Materials Classification: Type G, Form G1, Pattern B

PRODUCT DATA

Property	R8,15,20 Borderless
Weight (kg/m ²) <i>after the perforation</i>	6.5
Thickness (mm)	12.5
Actual Length (mm)	2350
Actual Width (mm)	1145
Hole Type	Round
Hole Size (mm)	ø8, ø15, ø20
Border (mm)	4
Pitch (mm) <i>(center to center spacing between holes)</i>	N/A
Holes layout (L x W)	N/A
Number of Holes <i>(fully perforated board)</i>	R8=2860 ; R15=1053 ; R20=663
Perforation Rate (%)	20%
Noise Reduction Coefficient (NRC)	0.70
Noise Reduction Coefficient (NRC) with Insulation	0.80
Board Edge detail	Square Edge
Mounting	E-400

R8-15-20 LAYOUT DESIGNS



1145mm x 2350mm
Gypsum Board R8-15-20, 20%

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 for the most up-to-date and accurate product information.

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Skyrock Ecoblock R8-15-20 Drywall Ceiling
Version #: 4 / Revision date: 13-March-2025 / Issue date: 22-December-2021 / Doc. Ref DW-C-TDS005-4

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