



Autex
Acoustics®

ReForm™

Data Sheet

Product
Overview

ReForm™ is a truly circular product that responds to the need for the building sector to take action on building waste. ReForm closes the loop on our product waste as it's created from reclaimed Autex Acoustics® product offcuts and end of life materials. Available in standard 35 mm thick panels with a range of finish options—custom thicknesses available on consultation.

Sustainable material

- Made from reclaimed material
 - Maintains PET fibre waste as a high value material and offers a truly circular product
 - Advances the circular building sector
 - Zero carbon manufacturing
 - Low VOC and CDPH compliant
- <0.092 mg/m³ (7 days)
 - Zero waste manufacturing initiative
 - Sustainable supply chain and anti modern slavery
 - ISO 14001 Certified Environmental Management
 - CDPH Standard
-

Environmental
certifications

- Declare – Red List free

Declare.



Certifying your green
building

Autex Acoustics products meet criteria for WELL, LEED, Green Star, and BREEAM building rating systems, helping you achieve certification for your project. For support and guidance on available rating system points please visit www.autexglobal.com, or speak with your Autex Acoustics account manager.

Specification

Acoustic treatment shall be ReForm™ made from thermally bonded polyester containing recycled material as manufactured by Autex www.autexglobal.com

Panel 1220 x 2440 x ()mm (nom.) depth,
colour (), sound absorption 35 mm:
NRC 0.80.

Fire rating ISO 9705: Classification: Group 2-S, AS ISO 9705 – 2003 Classification: Group 2.

Product specifications

Product name	ReForm™
Composition	100% polyester fibre
Panel dimensions	1220 mm x 2440 mm Custom lengths available (MOQs apply)
Tolerance	(+ 5 mm) x (+ 10 mm)
Thickness	35 mm
Tolerance	(+/- 6%)

Installation

Install as per Autex Acoustics recommendations. Installations may require edge trims dependent on the desired look. Install instructions are included in each pack or available on the website. If ReForm is to be specified for use other than as a ceiling treatment, such as wall application, please seek guidance from your account manager.



Product Specifications

Fire Ratings

ReForm has been evaluated using the following test methods.

ISO 9705: 1993

Classification: Group 2-S

Smoke production rate:

<5.0m²/s

As required by NZBC C/VM2

AS ISO 9705 - 2003

Classification: Group 2

(SMOGRArc): <100m²/s²

Assessed using methodology AS ISO 9705 - 2003 in accordance with AS 5637:2015, as required by BCA Specification C10-4

Water vapour absorption

ASTM C1104 / C1104M-13a

Test conditions: 49°C, 95%RH

Water vapour absorbed and adsorbed after 4 days:

0.4% by weight

Impact resistance

ISO 7892:1988

Hard body impact

There is no surface damage or penetration to ReForm when subjected to hard body impacts. When adhered to 10 mm plasterboard, the system can resist a 9 joule impact. This is equivalent to the impact of a 0.5 kg object dropped from a 2 m height. A small indentation might be observed when subjected to an impact equivalent to the impact of a 0.5 kg object dropped from a 0.5 m height.

Soft body impact

There is no surface damage or penetration to ReForm when subjected to soft body impacts. When adhered to 10 mm plasterboard, the system can resist a 70 joule impact. This is equivalent to the impact of a 50 kg object dropped from a 150 mm height.

Microbial resistance

ASTM G21-15

Growth rating: 0 (No growth)

ReForm does not promote the growth of moulds and mildew.

Colour fastness to light

ReForm is suitable for indoor use only. Light fastness is dependent on use and exposure. Vertiface® topping has been evaluated to the following standard:

ISO 105-B02:2014

Rating: 6 (Highest = 7)

Colour fastness to rubbing

ISO 105-X12:2016

Dry rating: 4-5 (Highest = 5)

Wet rating: 4-5 (Highest = 5)

Fabric care

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the finish. Use carpet or upholstery shampoo as directed.

Blot with a clean dry cloth after each application of solution.

Pattern repeat

ReForm is made from recycled PET material and the backing material reflects the variable nature of the recycled material. Both colour and mix of PET materials varies between so repeatability of pattern and colour is highly variable. Please speak to your Autex Acoustics account manager if you have concerns about this attribute.

When Vertiface topping is used, there is no pattern repeat but product has directional grain. Product may vary from samples and batch to batch due to fibre blending and lay-up, which is an inherent feature of this product.

Service

For further information about ReForm or any other Autex Acoustics product, please contact your account manager or visit our website.

Acoustic performance

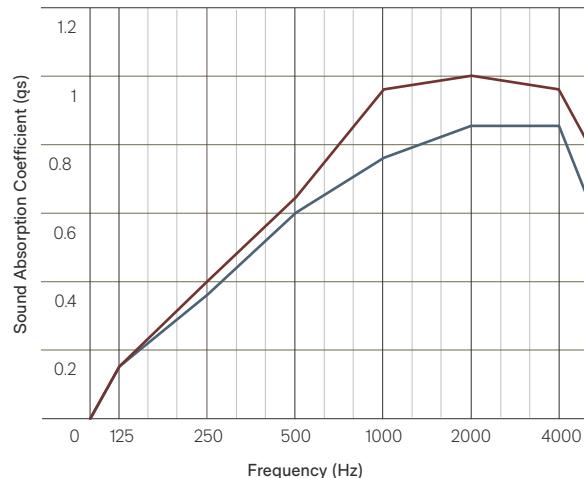
ReForm is specifically designed to reduce and control reverberated and echo noise in building interiors.

Absorption Coefficient According to ISO 354
University of Auckland Testing Service

ReForm (Nude) - Test No. T2401-34

ReForm (Vertiface) (12 mm with 25 mm air gap) - Test No. T2401-35

	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● ReForm nude		0.15	0.35	0.60	0.75	0.85	0.85	0.65
● ReForm faced with Vertiface		0.15	0.40	0.75	0.95	1.00	0.95	0.80



Reported values represent the estimated practical sound absorption coefficients calculated from flow resistivity values obtained in accordance with ISO 9053-1:2018 or ASTM C522-03. Where deviations in calculated values do not correlate with similar tested products some values may have been adjusted to account for these anomalies. The graph presents third octave sound absorption coefficients. The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz, rounded to the nearest 0.05. Where the NRC is > 1 it is rounded to 1.00. The values and ratings in this report are obtained via calculation and not to be considered as a guarantee of performance.



Light reflectance values by colour

ReForm is available nude, or faced with Vertiface. Vertiface LRVs were measured in accordance with BS 8493:2008+A1:2010

Acros	30	Lime	29
Atlantis	8	Muralla	7
Beehive	30	Myst	42
Blazing Red	8	Octane	5
Calypso	13	Opera	47
Canyon	14	Parthenon	28
Caspian	3	Petronas	1
Cavalier	10	Pinnacle	2
Chilli Red	5	Porcelain	22
Electric Blue	12	Sage	9
Empire	3	Sargazo	2
Falling Water	32	Savoye	44
Flatiron	23	Senado	45
Gherkin	5	Simba	18
Granny Smith	20	Spearmint	13
Highland	14	Stonewash	19
Ink	3	Terrace	18
Jade	22	Tree House	2
Koala	12	Vintage	6

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