

GLAMORA

AcousticShield™

Technical Data Sheet

1. Description

AcousticShield™ represents a cutting-edge solution for acoustic well-being that, by integrating two complementary layers – a 3 mm sound-absorbing substrate and a decorative wallcovering in GlamTrace material – creates an acoustic barrier that dampens sound reverberation within environments.

2. Intended use

Suitable for indoor spaces, specifically for use in combination with GlamTrace.

3. Surface preparation

To apply a wallcovering correctly it is essential that you refer to the *Installation Manual*. This can be found inside the box and can also be downloaded from glamora.it from the page entitled Materials. Should you require further details, please contact our Customer Care Service.

Before starting, please make sure that the surface where you will be applying AcousticShield™ is perfectly smooth, flat and white. This surface must be completely dry, have a residual humidity level of less than 2.0%, and must be free of any signs of dirt, pencil marks, dust, grit and damp spots. Make sure that there are no drafts in the space where the wallcovering will be applied and that the temperature remains between 15°C and 35°C with no fluctuations.

In the presence of a newly-applied top layer of plaster.

Make sure that the base is solid and dry and that there is no mould or rising damp. Apply an extra-fine, white-coloured, smooth skim finish to the entire surface using a suitable cement-based skim coat. To even out absorption and improve adhesion, apply one or two coats of acrylic primer in an aqueous dispersion suitably diluted as recommended by the manufacturer. Wait until this is dry before proceeding to apply AcousticShield™.

In the presence of existing plasterwork or a slightly uneven base.

Sand and remove any material that is coming off as well as any salty deposits and old peeling paint. Carefully clean the base using suitable equipment and make sure it is completely dry, even and flat. Apply an extra-fine, white-coloured, smooth skim finish to the entire surface using a suitable cement-based skim coat. To even out absorption and improve adhesion, apply one or two coats of acrylic primer in an aqueous dispersion suitably diluted as recommended by the manufacturer. Wait until this is dry before proceeding to apply AcousticShield™.

In the presence of a ceramic wall covering or tiles.

Carefully clean the surface using suitable equipment for ceramic or tiles and remove any traces of limescale. Make sure that the wall is completely dry. Apply a thin, light-coloured, smooth skim finish using a suitable (preferably cement-based) skim coat. Once this is dry, apply a second extra-fine, white-coloured, smooth skim finish using a suitable cement-based skim coat. To even out absorption and improve adhesion, apply one or two coats of acrylic primer in an aqueous dispersion suitably diluted as recommended by the manufacturer. Wait until this is dry before proceeding to apply AcousticShield™.

4. Technical characteristics of AcousticShield™

Acoustic underlayer roll width	27.55 in 70 cm
Decorated layer roll width (GlamTrace)	22.44 in 57 cm
Roll length	Custom
Thickness	0.13 in 3,40 mm
Weight	2.13 (± 0.06) oz/sq ft 650 (± 20) g/m ²
Composition of the acoustic underlayer	100% PET recyclable and up to 90% recycled PET
Composition of the decorated layer (GlamTrace)	100% nonwoven fabric
Sound absorption (UNI EN ISO 354:2004)	$\alpha_w = 0,15$ (H)
Reaction to fire (EN 13501-1)	B-s1, d0
VOCs (EN 15102)	Absent
OEKO-TEX®	STANDARD 100 by OEKO-TEX®

5. Technical characteristics of acoustic underlayer

FEATURE	TEST METHOD	SPECIFIED VALUE	UNIT
Fiber composition		100% PES	
Structure of the surface	Visual	According to the released sample	
Roll width		27.55 in 70 cm	in/cm
Weight	ISO9073-1	500 ±10%	g/m ²
Thickness	ISO9073-2	3,0 ±10%	mm
Martindale abrasion	ISO 12947- 2 / AC	> 50.000	Cycles
	UNE-EN 14465+A1	A	Class
Weighted sound absorption coefficient	UNE-EN ISO 354	$\alpha_w = 0,15$ (H)	
	EN ISO 11654	E	Class
Fire resistance	EN 13501-1+A1	B-s1, d0	Class
	ASTM E-84-18	A (NFPA 101 LIFE SAFETY CODE)	Class

6. Technical characteristics of decorated layer (GlamTrace)

DIMENSIONS	
Thickness	0,38 mm
Roll width	57 cm
Roll length	custom
Weight	147 (+/- 20) g/m ²
Appearance	Fibrous
Composition	Nonwoven
PVC	Free
Reaction to fire:	
— Euro class (EN 13501-1)	B-s1, d0
— ASTM (E-84-15a)	Class A
Dimensional stability	High
Tensile strength (MD)	3400 N/m
Tensile strength (CD)	2200 N/m
Tensile elongation (MD)	7%
Tensile elongation (CD)	10%
Wet /Dry Ratio	47%
Wet Stability (CD) (Max)	0.20%
Opacity	93%
Brightness	91%
VOCs	Absent (EN 15102). The material does not release volatile substances that can produce indoor air pollution.
FSC® certification	Product made from cellulose sourced from responsibly-managed forests compliant with stringent international standards.
Formaldehyde and Heavy metals EN 15102 The determination of formaldehyde and heavy metals were carried out according to the standard EN 12149:1997	Compliant
VOC French decree 2011-321	A+
HTS code	48024010

7. Cleaning and care

Before cleaning your wallcovering, it is recommended that you read the manual *Care and Maintenance Advice*, which can be downloaded from the *Materials* page of *glamora.it*. Should you require further details, please contact our Customer Care Service.

- The acoustic underlayer is not washable. It is recommended to handle the material on a clean, dust-free surface to avoid staining.
- GlamTrace is a washable wallcovering, but we recommend removing any marks or stains from the surface as quickly as possible. This can be done with a non-abrasive damp sponge or a damp microfibre cloth rinsed in clean, lukewarm water. Do not rub.

Glamora is not responsible for any damage caused during cleaning.

8. Warnings

- Product for professional use
- Comply with national standards and regulations
- Check that the application surface is perfectly clean, dry and flat
- In case of need, request the safety data sheet

For any information not provided herein, please contact Glamora Customer Service on +39 0536 076 403 or write to contact@glamora.it

The application of Glamora wallcoverings to surfaces other than those specifically indicated in the manuals or in the company's official installation videos (for example wood, laminate, metal, resin or similar materials) or for uses other than that for which the wallcovering was designed (for example installation on the floor, doors, panels, outdoors or in similar environments) does not comply with the manufacturer's instructions. Therefore, in such cases, any warranty issued to the purchaser will be null and void and Glamora Srl will accept no contractual or extra-contractual liability for the same, nor shall it be answerable for any product defects and/or differences in performance detected as a result. In such cases, the product will be considered as having been sold at the risk and peril of the buyer and Glamora Srl will be under no obligation, nor will it be responsible for upholding any warranty.

Without prejudice to the above, and subject to you sharing the relative technical characteristics, Glamora Srl may provide suggestions regarding the treatment of your installation surfaces, but only as a form of mere courtesy and without accepting any liability, upon your request. In the event of you requesting suggestions and/or subsequently passing a purchase order, it will be considered that the parties are aware of the conditions stated above and that you have specifically acknowledged and accepted these.