

AcousticShield

Technical Data Sheet

1. Description

AcousticShield represents a cuttingedge solution for acoustic well-being that, by integrating a 3 mm sound-absorbing substrate 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

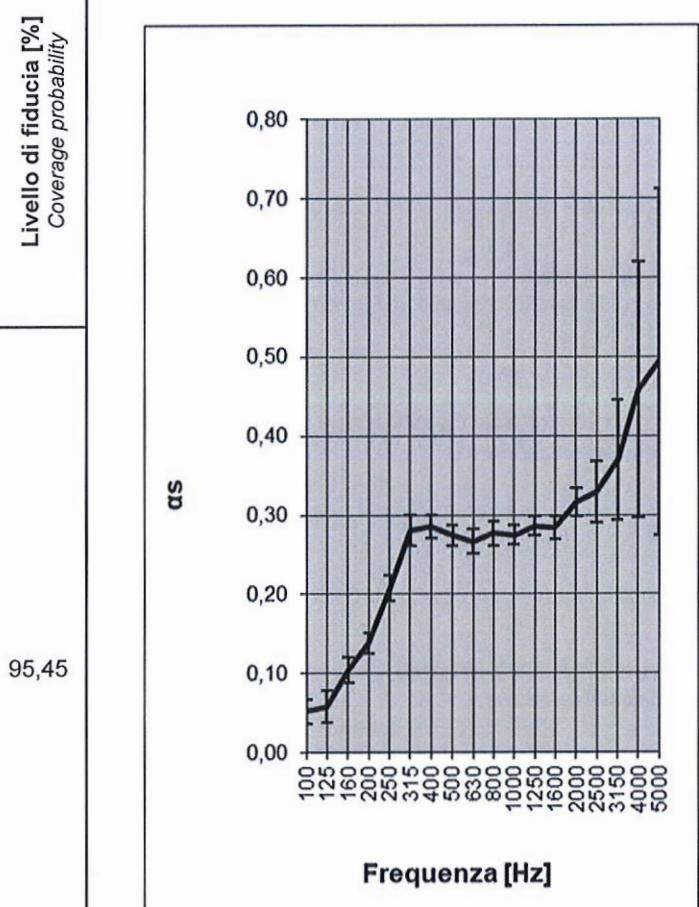
Acoustic underlayer roll width	27.55 in 70 cm
Roll length	Custom
Thickness	0.11 in 3 mm
Weight	1.63 (\pm 10%) oz/sq ft 500 (\pm 10%) g/m ²
Composition	100% PET recyclable and up to 90% recycled PET
Sound absorption (UNI EN ISO 354:2004)	α_w = 0,15 (H)
Reaction to fire	(EN 13501-1) B-s1, d0 (ASTM E-84-18) A (NFPA 101 LIFE SAFETY CODE)
VOCs (EN 15102)	Absent
OEKO-TEX®	STANDARD 100 by OEKO-TEX®
Martindale abrasion	(ISO 12947- 2 / AC) > 50.000 Cycles (UNE-EN 14465+A1) Class A
Weighted sound absorption coefficient	(UNE-EN ISO 354) α_w = 0,15 (H) (EN ISO 11654) Class E

5. Technical sound absorption performance

- UNI EN ISO 354:2003 Sound absorption in a reverberation chamber
- Test report no. EPT.23.acu.0150/23-40-000204

Results:

Frequenza [Hz] Frequency	Tempi di rverberazione [s] Reverberation times		Coefficiente di assorbimento acustico α_s Sound absorption coefficient	Incertezza estesa U Expanded uncertainty	Gradi di libertà effettivi Effective degrees of freedom	Fattore di copertura Coverage factor	Livello di fiducia [%] Coverage probability
	camera vuota T_1 Empty room	camera piena T_2 Room with sample					
100	11,2	9,4	0,05	0,02	32	2,08	
125	9,9	8,3	0,06	0,02	33	2,08	
160	10,3	7,6	0,10	0,02	34	2,08	
200	10,7	7,1	0,14	0,01	28	2,10	
250	10,5	6,1	0,21	0,02	22	2,12	
315	11,1	5,4	0,28	0,02	19	2,14	
400	10,0	5,1	0,29	0,01	21	2,13	
500	8,7	4,8	0,27	0,01	21	2,13	
630	7,9	4,6	0,27	0,02	23	2,11	
800	7,0	4,2	0,28	0,01	26	2,11	
1000	6,9	4,2	0,27	0,01	24	2,11	
1250	6,6	4,1	0,29	0,01	21	2,13	
1600	5,5	3,7	0,28	0,01	23	2,11	
2000	5,2	3,4	0,32	0,02	26	2,11	
2500	4,3	3,0	0,33	0,04	20	2,14	
3150	3,6	2,6	0,37	0,08	18	2,16	
4000	2,8	2,1	0,46	0,16	17	2,16	
5000	2,2	1,8	0,49	0,22	17	2,16	



6. 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.

7. 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.