DIATHONITE ACOUSTIX+

Breathable, ecological, cork-based and sound-absorbing plaster

Premixed plaster for acoustic insulation and the creation of sound-absorbing wall and ceiling coatings. *Diathonite Acoustix+* is eco-friendly, formulated with natural raw materials such as cork (granulometry 0-3 mm), clay, NHL 5 hydraulic lime, diatomaceous earth, and hydraulic binder. Thanks to its excellent sound-absorbing capacity, the plaster eliminates reverberation and reduces reflected noise. Furthermore, the product features high breathability, good thermal insulation properties, dehumidifying capacity, and excellent reaction to fire. The porosity characterizing its structure and the presence of natural hydraulic lime also make the plaster bacteriostatic and anti-mould.

YIELD

4,40 kg/m² (±10%) per cm of thickness.
0.90 lb/ft² (±10%) per inch of thickness.

PACKAGING

19 kg paper bag.
Pallet: n° 60 paper bags (1140 kg)

APPEARANCE AND COLOR

Powder	Light Grey

STORAGE

Store the product in its original, tightly closed packaging, appropriately protected from sun, water, frost, and maintained at temperatures between +5°C and +35°C. Shelf time: 12 months.

FIELDS OF APPLICATION

Versatile premixed plaster, designed for both wall and ceiling applications, in indoor and outdoor contexts.
Ideal for the creation of sound-absorbing coatings for large public and private spaces such as auditoriums, cinemas, conference halls, places of worship, and sports facilities, where acoustic correction and reverberation reduction are essential for environmental quality. In addition to the treatment of reflected noise, the product is effective for increasing the sound insulation power of facades and partition walls, while simultaneously ensuring bacteriostatic protection and high breathability of the treated surfaces.

BENEFITS

- Excellent sound - absorbing properties:
  - **NRC 0,75;**
  - **α_w = 0,72.**
- Contributes to thermal insulation.
- Excellent compressive strength.
- Fireproof.
- Thanks to its high breathability, it prevents mould and condensation.
- Very fast application system.
- Easily applicable even on curved surfaces and complex geometries.
- LEED-mapped product.
- Applicable on old plasters.
- Double CE marking (EN 998-1, EN 998-2).

PREPARATION OF THE SUPPORT

The substrate must be fully cured and have sufficient strength. The surface must be thoroughly clean, dry, well-consolidated, free of friable and loose parts, and perfectly levelled.

CONTRIBUTES TO BREEAM® | CONTRIBUTES TO WELL® | CONTRIBUTES TO LEED® | CONTRIBUISCE AI CAM | IMPROVES INDOOR AIR QUALITY | EPD Verified | UK CA BS EN 998-1 | UK CA BS EN 998-2 | CE EN 998-1 | CE EN 998-2

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Any cracks, discontinuities, or degraded portions must be repaired beforehand. Before application, protect all elements that are not to be affected by the coating. For substrates not listed in the technical data sheet, please contact the Diasen technical office.

Bricks/Blocks

No primer is required; the application can be carried out directly onto the brick substrate.

Concrete

In the presence of damaged and friable concrete, proceed with the restoration using a suitable cement-based repair mortar. Any exposed reinforcing bars must be previously treated with specific passivating and/or anti-corrosive products suitable for structural repair.

- **Smooth Concrete**: provide for the application of *Aquabond* primer (refer to the product's technical data sheet).
- **Rough Concrete**: no primer is required; the application can be carried out directly onto the substrate.

Cellular Concrete

Diathonite Acoustix+ can be applied directly onto aerated concrete substrates, without the need for a primer.

Hemp-lime or hemp-concrete blocks

Application on hemp-lime or hemp-concrete blocks is possible only if *Diathonite Acoustix+* is reinforced with *Polites 140* fibreglass mesh (refer to the product's technical data sheet).

Masonry

If necessary, clean the surface using a high-pressure water cleaner or by brushing. Check the condition of the masonry and restore any damaged or unstable bricks or stones. If salts are present, provide for the application of *Diathonite Regularization* or, alternatively, *Diathonite Deumix+* (see technical data sheets). On substrates that require levelling, use lime-based mortars to preserve breathability, such as *Diathonite Regularization* or *Calce Storica*.

Old plaster

Ensure the plaster is sound and well-adhered to the substrate; otherwise, provide for partial or total removal. In the presence of salts, provide for the removal of the damaged plaster and the application of *Diathonite Regularization* or *Diathonite Deumix+*. On smooth plasters and in the case of painted plasters, given the wide variety of paints on the market, it is recommended to remove the paint or to scabble the substrate, and then provide for the application of *Aquabond* primer. On rough plasters, proceed with the direct application of *Diathonite Acoustix+*. Before application, always verify that the existing plaster is compatible with the characteristics and composition of *Diathonite Acoustix+*. For gypsum-based plasters, complete removal is recommended to avoid compromising the stability of the system due to material incompatibility.

Panels and wood

On untreated **cork** or **lime-hemp panels**, apply *Diathonite Evolution* without a primer. On **wood panels** (OSB, CLT, wood fiber), **fiber cement boards** (e.g., Aquapanel), and **exterior gypsum boards**, the use of *Aquabond* primer is necessary. For a professional result, ensure that the panels are tightly joined together and that the mechanical fastening is capable of supporting the weight of the plaster.
In any case, provide reinforcement with a fiberglass mesh such as *Polites 140* at half the thickness of *Diathonite Acoustix+*.

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APPLICATION BY PLASTERING MACHINE

Suggested plastering machines

The indicated plastering machines represent only some of the models available on the market. Other models with equivalent characteristics and performances can be used. All recommended models use screw or rotary systems, but the speed, mixer size, and screw geometry differ. Therefore, the consistency and flow of the plaster may require minor adjustments to the water/material ratio to achieve optimal results.

- *PFT G4*
- *PFT Ritmo XL*
- *Imer Koine 4*
- *Turbosol Giotto 4*
- *Putzmeister MP 25*

In the case of application with the aforementioned *three-phases* plastering machines, the ideal equipment includes the installation of a new **D6-3 stator/rotor (screw pump)** and a **closed shafts mixer**. The setup must be completed with a tapered hose (**Ø 35/25 mm**) and a **14 or 16 mm** nozzle to ensure the correct projection of the product.

- *PFT G5*

In the case of application with the aforementioned plastering machine, the ideal equipment includes the installation of a **D6 – 2L stator/rotor (screw pump)** and a **closed shafts mixer**.
The setup must be completed with a **tapered hose** (length 150 mm, Ø 35/25 mm) and a **16 mm nozzle** to ensure the correct projection.

- *Putzmeister SP 11 LMR*

For this diesel plastering machine, the setup must include a **2L6 screw pump (stator/rotor)**, a **250 mm** long hose with a **35 mm diameter**, and a **spray gun** with a **16 mm** nozzle.

Mixing

Load the contents of the bags into the hopper. Adjust the machine's flow meter first to **400-600 L/h** to dampen the hose, then to **250-350 L/h** for regular application. The mixture must appear as a **light and foamy mass**, characterized by a widespread and homogeneous micro-alveolar structure, and must be *matte* (free from shine). To avoid altering the chemical-physical balance of the compound, the addition of any foreign product is strictly prohibited. Depending on the water absorption rate of the substrate and the environmental conditions, it is recommended to dose the correct amount of water necessary to achieve proper adhesion. The specified water quantity is indicative.

Application

1. It is essential to moisture the substrate, especially during the summer period and on masonry exposed to the sun. If the surface has already been primed, proceed directly with the application.
2. Create reference points or screed strips to achieve the required thicknesses. Points or strips can be made using *Diathonite Acoustix+* or with aluminium or wooden profiles. In the latter two cases, the strips must be removed immediately after applying the last layer of plaster and filled with *Diathonite Acoustix+*.
3. Corner profiles (made of PVC, stainless steel, or CMP | in any case lime-resistant) can be positioned together with the screed strips, but must always be placed before applying the final coat.
4. In the case of applications on multi-storey buildings, use aluminium corner beads to secure the corners; these must be fixed with the plaster itself to avoid thermal bridges.

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5. Moisten *Diathonite Acoustix+* before the application of each coat.
6. Spray the product from bottom to top, applying a first coat of *Diathonite Acoustix+*, taking care to create a thickness of **up to 40 mm**.
7. If the design thickness is not reached with the first coat, apply additional layers of *Diathonite Acoustix+* only when the underlying layer is dry to the touch and visually lighter in colour (approx. 12–24 hours), maintaining a thickness of **≤ 40 mm** per coat.
8. Spray *Diathonite Acoustix+* with as few interruptions as possible. Otherwise, soak the nozzle in water to prevent the formation of a clog (material plug) inside the spray gun.
9. For thicknesses **exceeding 60 mm**, it is mandatory to incorporate *Polites 140* fibreglass mesh at approximately mid-thickness of the overall layer. Regardless of the thickness, the use of the mesh is also recommended on panels and wooden substrates, on surfaces subject to movement, on composite materials other than those mentioned, and at critical points such as doors, windows, and openings.
10. In correspondence with beams and columns, the mesh must overlap onto both sides of the concrete element by at least *150 mm*.
11. During the levelling phase, do not compress *Diathonite Acoustix+* to preserve the product's porosity. Use an H-profile straight edge or a knife-edge screed, working in both horizontal and vertical directions until a regular surface is obtained.

APPLICATION BY HAND

Mixing

If mixed in a cement mixer or with a drill mixer, add **13.5 – 17.5 L** of clean water for each bag of *Diathonite Acoustix+* (19 kg). Do not mix the compound in the cement mixer for more than **3-4 minutes**. Depending on the water absorption rate of the substrate and the environmental conditions, it is recommended to dose the correct amount of water necessary to achieve proper adhesion.
The specified water quantity is indicative.

Application

1. It is essential to moisten the substrate, especially during the summer period and on masonry exposed to the sun. If the surface has already been primed, proceed directly with the application.
2. Create reference points or screed strips to achieve the required thicknesses. Points or strips can be made using *Diathonite Acoustix+* or with aluminium or wooden profiles. In the latter two cases, the strips must be removed immediately after applying the last layer of plaster and filled with *Diathonite Acoustix+*.
3. 3. Corner profiles (made of PVC, stainless steel, or CMP | in any case lime-resistant) can be positioned together with the screed strips, but must always be placed before applying the final coat.
4. In the case of applications on multi-storey buildings, use aluminium corner beads to secure the corners; these must be fixed with the plaster itself to avoid thermal bridges.
5. Moisten *Diathonite Acoustix+* before the application of each coat.
6. Apply with a trowel a coat of *Diathonite Acoustix+* taking care to create a thickness of **up to 40 mm**.
7. If the design thickness is not reached with the first coat, apply additional layers of *Diathonite Acoustix+* only when the underlying layer is dry to the touch and visually lighter in colour (approx. 12–24 hours), maintaining a thickness **of ≤ 40 mm** per coat.
8. For thicknesses **exceeding 60 mm**, it is mandatory to incorporate *Polites 140* fibreglass mesh at approximately mid-thickness of the

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overall layer. Regardless of the thickness, the use of the mesh is also recommended on panels and wooden substrates, on surfaces subject to movement, on composite materials other than those mentioned, and at critical points such as doors, windows, and openings.

9. In correspondence with beams and columns, the mesh must overlap onto both sides of the concrete element by at least 150 mm.
10. During the levelling phase, do not compress *Diathonite Acoustix+* to preserve the product's porosity. Use an H-profile straight edge or a knife-edge screed, working in both horizontal and vertical directions until a regular surface is obtained.

CEILING APPLICATION

For ceiling applications, *Diathonite Acoustix+* must be applied using plastering machines.

1. If the surface is not primed with *Aquabond*, moisten the substrate.
2. Create screed strips to achieve the desired thickness, as specified in the previous paragraphs.
3. Apply *Diathonite Acoustix+* in layers with a maximum thickness of 20 mm.
4. Embed *Polites 140* fibreglass mesh at mid-thickness of the total layer, applying it while the product is still fresh, ensuring an overlap of **150 mm** at the joints. Avoid the formation of ripples or bubbles.
5. Apply the second coat of plaster only when the underlying layer has sufficiently hardened, ensuring that the reinforcement mesh is completely embedded and without leaving any holes on the surface. On unstable substrates or for high thicknesses, it is advisable to secure the mesh with plugs or nails.
6. The screed strips must be removed when the plaster surface is compact and not moisten to the touch. The voids left by the strips must be filled with *Diathonite Acoustix+*.
7. During the levelling phase, do not compress *Diathonite Acoustix+* to preserve the product's porosity. Use an H-profile straight edge or a knife-edge screed. The product must not be trowelled or floated.

DRYING TIME

At a temperature of 23°C and a relative humidity of 50%, the product dries in 10-15 days.

- Drying times are influenced by the relative humidity of the environment and the temperature, and can vary significantly.
- When applied in high thicknesses, drying times increase significantly.
- During the curing phase, protect *Diathonite Acoustix+* from frost, wind, direct sunlight, and adverse weather conditions.
- It is necessary to moisten the plaster 2–3 times a day for the first 2–3 days following application.
- In general, at temperatures above 28°C, moisten the plaster every 2 hours to prevent cracking.
- If applied indoors, ventilate the room as much as possible during the application and drying phases.
- When applied outdoors, in order to avoid prolonged exposure to adverse weather conditions, it is essential to proceed as follows:
    - after applying the last coat of *Diathonite Acoustix+* and waiting for complete curing (no sooner than 10-15 days), it is recommended to coat the plaster with the chosen skimming product.
    - Once the latter is completely cured (no sooner than 7 days), apply the finish.

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SANDED DIATHONITE

Carefully protect floors, window frames, and other elements using protective sheets or masking tape. To prepare the floors, use a single-disc floor machine equipped with a diamond disc to remove irregularities and prepare the substrate.
On large wall surfaces, the use of a long-reach sander with a low-speed disc is recommended, such as the **LHS 2 225 EQI-Plus PLANEX** (Power: 400 W; eccentric motion[1]; speed: 5,000 – 8,500 rpm; sanding stroke: 4.00 mm; backing pad diameter: 220.00 mm; abrasive diameter: 225.00 mm; length: 1.2/1.65 m; dust extraction connection Ø: 36/27 mm).
During the process, proceed with uniform and light movements, avoiding concentrated pressure on a single point to prevent creating hollows. Any protrusions or excess material must be removed, periodically checking the flatness and regularity of the treated surface. To remove the most evident irregularities, initially use coarse-grained sandpaper (40–60 grit), then complete the operation with fine-grained sandpaper (80–120 grit) to achieve a surface that is perfectly smooth to the touch before the final coating. After sanding, carefully remove the dust produced using soft brushes or a professional vacuum cleaner, always ensuring adequate ventilation in indoor environments to promote the dispersion of volatile residues. As a final step, protect the surface by applying *Aquafloor Eco* (see technical data sheet), following the instructions in the relevant technical data sheet.

SMOOTHING AND FINISHING

For plaster smoothing, in both indoor and outdoor environments, it is possible to use the following finishing compounds: *Argatherm, Argacem Ultrafine* and *Argacem Coloured*. For application methods, drying times, and recommended thicknesses, please refer to the respective technical data sheets.

Outdoor Applications

For the finishing of skim coats in outdoor environments, use products such as *Decork Façade, Decork Alfareflex, Decork Mediterraneo, Acrilid Protect Coating*, or *Plasterpaint* (refer to the products' technical data sheets), always ensuring the use of breathable and water-repellent finishes.

Indoor Applications

For indoor environments, the use of finishes such as *Decork Mediterraneo, Decork Design, C.W.C. Stop Condense*, or *Limepaint* (refer to the products' technical data sheets) is recommended, always prioritizing breathable products. In any case, it is advisable to refer to Diasen finishing systems.

FINISHING LAYERS

Like all plasters in the *Diathonite* range, *Diathonite Acoustix+* must be reinforced with *Polites 140* fiberglass mesh when the installation of coatings such as tiles, stones, stoneware, or similar materials is planned, following the application methods described in the previous paragraphs. Subsequently, the surface must be finished with *Argatherm* finishing plaster, as indicated in its technical data sheet. To increase the system's resistance, *Argatherm* must be installed using *Polites 80* reinforcement mesh (refer to technical data sheet) with a sandwich system (*Argatherm + Polites 80 + Argatherm*). In wet areas, before laying the tiles, apply *Watstop* over *Argatherm*[2] following the instructions in the technical data sheet. It is recommended to observe a maximum interval of 24 hours between successive coats and to complete the application of the final layer within 48

[1] Eccentric movement

[2] Argatherm helps control absorption and ensures more efficient coverage of WATstop.

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hours. The maximum permitted weight for tiles is 45 kg/m².

SUGGESTIONS

- Do not apply at ambient or substrate temperatures below +5°C or above +30°C.
- During the summer season, apply the product during the coolest hours of the day, protected from direct sunlight.
- Do not apply if there is an imminent danger of rain or frost, in conditions of thick fog, or when relative humidity exceeds 70%
- Where deemed necessary, and only after contacting the Diasen technical office, it is possible to proceed with the application, by hand or spray, of a first coat of *Diathonite Acoustix+* as a scratch coat.
- It is recommended to waterproof and protect the points most subject to hygrometric stress, such as the base of the wall near the ground or the joints between the flat roof slab and the external walls.
- If applied internally, it is essential that the external surface does not absorb water. Otherwise, treat the surface with *BKK Eco*.
- In the event of application where *Diathonite Acoustix+* is left exposed, it is mandatory to protect the product with one of the *Diasen* transparent protective coatings, depending on the area of application.
- In case of doubt regarding the consistency of the substrate and/or any physical-chemical and mechanical incompatibilities between *Diathonite Acoustix+* and the substrate, it is recommended to carry out an adhesion test identified and coordinated by the Site Management of the project in question.
- If the total thickness of the application exceeds *120 mm*, it is necessary to provide for the insertion of at least two reinforcement meshes.
- The positioning of the meshes and the choice of the technical configuration must be confirmed by the Site Management, also based on the assessment of structural movements and stresses of the support.

CLEANING

The equipment used can be washed with water before the product hardens.

SAFETY

During handling, use personal protective equipment and comply with the information provided in the product's safety data sheet.

ISO 9001® QUALITY
ISO 14001® ENVIRONMENT
ISO 45001® SAFETY

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TECHNICAL SPECIFICATIONS

* The reported data, although obtained using standardized testing methodologies, are indicative and may be subject to change depending on specific site conditions.

PHYSICAL / TECHNICAL DATA*		
TECHNICAL DATA	**VALUE**	**UNIT OF MEASUREMENT**
Yield	4.0 (±10%) for each cm of thickness	kg/m^2
	2.08 (±10%) per inch of thickness	lb/ft^2
Aspect	powder	-
Colour	light grey	-
Density	400 ± 30 %	kg/m^3
	24.9 ± 1.87 %	lb/ft^3
Grain size	0 – 3	mm
	0 – 0.11	in
Water to add to the mixture	0.70 – 0.9 L/kg 14 - 18 L for each 19 kg bag	L/kg
	0.083 – 0.107 gal (US) per paper bag (44.09 lb)	gal (US) / lb
Minimum thickness	20/0.8	mm/inches
Maximum thickness per coat	40/1.6	mm/inches
Maximum thickness per coat *for ceiling applications*	20/0.8	mm/inches
Maximum thickness *for ceiling applications*	40/1.6	mm/inches
Application temperature	+5 / +30	°C
	+41 / +95	°F
Workability time *(UNI EN 1015-9 – Method B)*	40	min
Drying time (T=23°C; U.R. 50%)	10-15	days
Storage	12	months
Packaging	20 kg (44 lb) paper bag	kg

PERFORMANCES*				
FINAL PERFORMANCES	**VALUE**	**UNITÀ DI MISURA**	**STANDARDS**	**RESULTS**
Reaction to fire	class A1	-	UNI EN 13501-1	-
Compressive strength	4,00	N/mm^2	EN 998-1	category CS III
			EN 998-2	M5
Flexural strength	1,60	N/mm^2	UNI EN 1015-11	-
Adhesion onto the support (brick)	0,252	MPa = N/mm^2	UNI EN 1015-12	Break type: C
Vapour permeability coefficient (μ)	4	-	UNI EN 1015-19	highly breathable
Thermal conductivity (λ)	0,075	W/mK	UNI EN 1745	-
Thermal resistance *(R)* *per 1 cm of thickness*	0,133	m^2 K/W	UNI 10355	-

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e indicazioni e le prescrizioni riportate, pur rappresentando la nostra migliore esperienza e conoscenza, sono da ritenersi indicative e dovranno essere confermate da esaurienti applicazioni pratiche. La Diasen non conosce le specificità della lavorazione e tanto meno le determinanti caratteristiche del supporto di applicazione. Pertanto, prima di utilizzare il prodotto, l'applicatore deve in ogni caso eseguire delle prove preliminari, atte a verificare la perfetta idoneità ai fini dell'impiego previsto e, comunque, si assume ogni responsabilità che possa derivare dal suo uso. In caso d'incertezze e dubbi contattare l'ufficio tecnico dell'azienda prima dell'inizio dei lavori, fermo restando che tale supporto costituisce un semplice ausilio per l'applicatore, che dovrà in ogni caso garantire il possesso di adeguate capacità ed esperienza per la posa del prodotto e per l'individuazione delle soluzioni più adeguate. Fare sempre riferimento all'ultima versione aggiornata della scheda tecnica, disponibile sul sito www.diasen.com che annulla e sostituisce ogni altra.

DIATHONITE ACOUSTIX+

Breathable, ecological, cork-based and sound-absorbing plaster

ACOUSTIC PERFORMANCE	VALUE	UNIT	STANDARDS
Noise Reduction Coefficient (***NRC***) *30 mm of thickness*	0,75 [3]	-	UNI EN ISO 10534-2:2001; ASTM C423
Sound absorption average (***SAA***) *30 mm of thickness*	0,72	-	ASTM C423
Weighted sound absorption coefficient (***α_w***) *30 mm of thickness*	0,75	-	UNI EN ISO 11654
Sound absorption class *30 mm of thickness*	C	-	UNI EN ISO 11654
Sound absorption between 600 and 1500 Hz *30 mm of thickness*	α > 80%	-	UNI EN ISO 10534-2:2001
Increase in the weighted sound reduction index (**R_w**) compared to traditional plaster	3	dB	UNI EN ISO 10140-2 UNI EN ISO 717-1
Theoretical sound reduction index [external wall composed of 30 mm of Diathonite Acoustix+, 300 mm thermal block, and 15 mm of traditional plaster]	R_W = 62 $D_{2m,nT,w}$ = 48	dB	UNI EN ISO 140-5 UNI EN ISO 717-1
Theoretical sound reduction index [external wall composed of 20 mm of Diathonite Acoustix+, 200 mm thermal block, and 20 mm of Diathonite Acoustix+]	R_W = 56	dB	UNI EN ISO 140-5 UNI EN ISO 717-1
Theoretical sound reduction index [external wall composed of 30 mm of Diathonite Acoustix+, 120 mm brick, and 30 mm of Diathonite Acoustix+]	R_W = 53	dB	UNI EN ISO 140-5 UNI EN ISO 717-1
Theoretical sound reduction index [external wall composed of 15 mm of traditional plaster, 250 mm brick, and 30 mm of Diathonite Acoustix+]	R_W = 61	dB	UNI EN ISO 140-5 UNI EN ISO 717-1
Theoretical sound reduction index [external wall composed of 15 mm of traditional plaster, 100 mm hollow brick, 200 mm clay block, and 3 cm of Diathonite Acoustix+]	R_W = 55	dB	UNI EN ISO 140-5 UNI EN ISO 717-1
On-site sound reduction index [wall composed of 20 mm of Diathonite Acoustix+, 250 mm Poroton block, and 20 mm of Diathonite Acoustix+]	$R'_W \geq 51$	dB	UNI EN ISO 140-5 UNI EN ISO 717-1

Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250
α_S	0,21	0,17	0,31	0,68	0,62	0,67	0,69	0,73	0,72	0,75	0,79	0,82
α_p	0,25			0,65			0,70			0,80		

Frequency (Hz)	1600	2000	2500	3150	4000	5000
α_S	0,76	0,77	0,66	0,61	0,58	0,60
α_p	0,75			0,60		

[3] The value refers to a 30 mm thickness of *Diathonite Acoustix+* with a porous and non-sanded surface.

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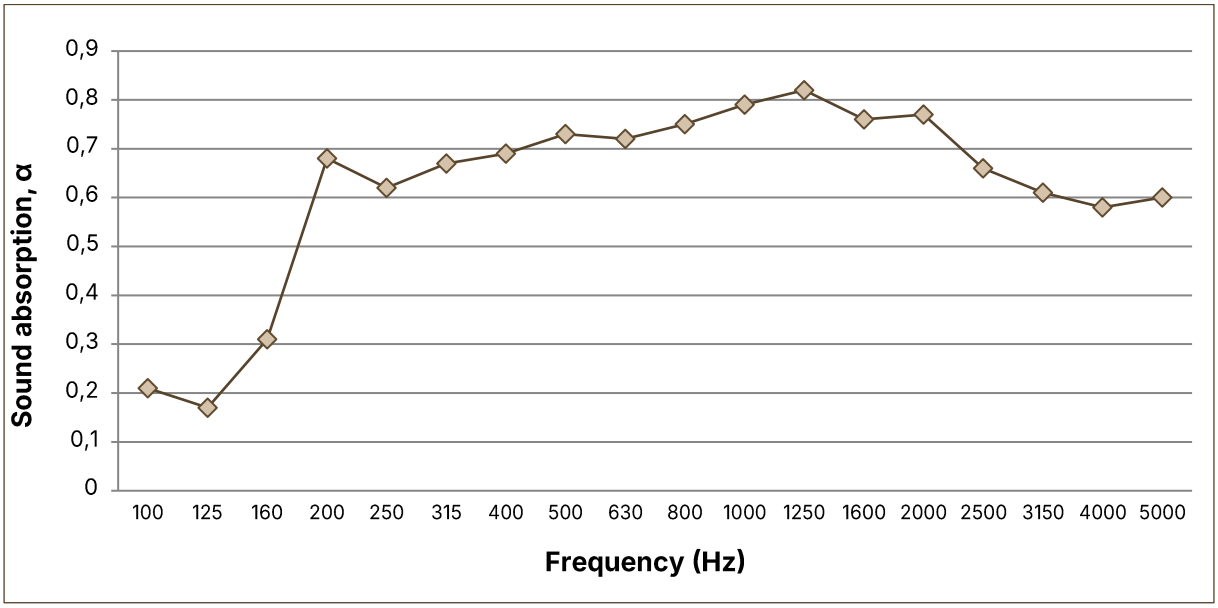
DIATHONITE ACOUSTIX+

Breathable, ecological, cork-based and sound-absorbing plaster



INDOOR AIR QUALITY (IAQ) CERTIFICATION		
Evaluation of the results		
Regulation or protocol	Version of regulation or protocol	Conclusion
French VOC Regulation	Decree of March 2011 (DEVL1101903D) and Arrêté of April 2011 (DEVL1104875A) modified in February 2012 DEVL1133129A)	ÉMISSIONS DANS L'AIR INTÉRIEUR* A+ A+ A B C
French CMR components	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)	Pass
Italian CAM Edilizia	Decree 11 October 2017 (GU n.259 del 6-11-2017)	Pass
AgBB/ABG	Anforderungen an bauliche Anlagen bezüglich des Gesundheitsschutzes, ABG May 2019, AgBB August 2018	Pass
Belgian Regulation	Royal decree of May 2014 (C-2014/24239)	Pass
Indoor Air Comfort®	Indoor Air Comfort 7.0 of May 2020	Pass
Blue Angel (DE-UZ 113)	DE-UZ 113 for "Low-Emission Floor Covering Adhesives and other Installation Materials" (Version January 2019)	Pass
BREEAM International	BREEAM International New Construction v2.0 (2016)	Exemplary Level
BREEAM® NOR	BREEAM-NOR New Construction v1.2 (2019)	Pass
LEED®	"Low-Emitting Material" according to the requirements of LEED v4.1	Pass
CDPH: Classroom scenario	CDPH/EHLB/Standard Method V1.2. (January 2017)	Pass

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