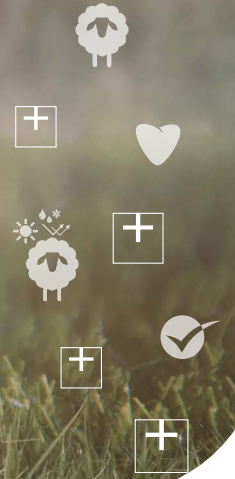


OPTIMAL PLUS

Product data sheet



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info@

Item number OPP02200BR24
Density 22 kg/m³
Raw material 100% wool sustainable, durable, recyclable, without synthetic additives
Application Interior finishing, room air renovation – suspended (acoustic-)ceiling



PRODUCT DESCRIPTION

- Sound insulation with **air-purifying effect**.
- Ideally suited for the installation behind **acoustic ceilings**. Pull the insulation roll with the beam felt as visible side into the substructure.
- No fiber fly.

WOOL PROTECTION

- **IONIC PROTECT**[®] biocide-free wool protection, long-term tested by EAD/CUAP standards and patented procedure.
- Is a slight alteration of the molecular protein structure of the wool fibre through a **plasma-ion treatment**. This specific process is unique as it permanently prevents the wool from being a nutritional source for wool parasites.
- Through the wool protection, our products have an **unlimited shelf-life**.

INSTALLATION

- **Quick installation**, no waste and dust collect. Ideally suited for working overhead.
- The rolls can be cut to length by **tearing by hand** or with the **ISOLENA** cutting device.

PROPERTIES



FORM OF DELIVERY

DIMENSIONS*

Width: 250 – 2.300 mm in 50 mm increments (250, 300, 350, 400 mm,...)

Thickness: 30 – 80 mm in 10 mm increments (30, 40, 50, 60 mm,...)

Article	kg/m ³	Thickness (mm)	Width (mm)	Lengths (mm)	Item/PU	m ² /PU	PU/Pal	m ² /Pal
OPP22	22	30	600	9.000	2	10,80	22	237,60
OPP22	22	40	600	6.000	2	7,20	24	172,80
OPP22	22	50	600	6.000	2	7,20	18	129,60
OPP22	22	60	600	6.000	2	7,20	16	115,20
OPP22	22	80	600	4.000	2	4,80	20	96,00

*Special sizes available from a minimum production quantity of one pallet approx. 7,10 m³ at no extra charge.

OPTIMAL PLUS

Product data sheet



SOLENA NEWSLETTER
Receive relevant news every three weeks:
<https://bit.ly/3iKhtKg>

Subscribe now!



TECHNICAL DATA

European technical approval	ETA-07/0214
Nature Plus®	0103-1006-099-1
Thermal conductivity λ_{tr}	0,035 W/mK
Vapour diffusion resistance factor μ	1
Specific heat capacity c	1760 J/kgK
Fire behaviour according to EN 13501-1	D-s2, d0; CH: RF3
Fire behaviour according to acoustic ceiling element according to EN 13501-1*	B-s1, d0
Mould growth intensity according to EN ISO 846	0

*Perforated Plasterboard thickness 12 mm, perforation \varnothing 18/18 – 5 mm, **SOLENA Optimal** thickness 40 mm, 60 mm back ventilation.

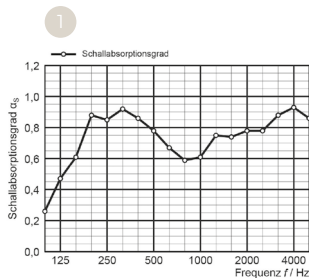


SUPERSTRUCTURE TESTING

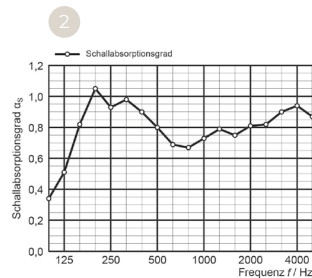
Assessment of the sound absorption level according to DIN EN ISO 354

	Board	Acoustic lining	Acoustic fleece	Assessed sound absorption level*
1	Heradesign® Superfine 25 mm	OPP22 Dicke 30 mm	----	$\alpha_w = 0,75$ (LH)
2	Heradesign® Superfine 25 mm	OPP22 Dicke 60 mm	----	$\alpha_w = 0,80$ (LH)
3	Vogl Akustikdesignplatte 8/18R Dicke 12,5 mm	OPP22 Dicke 30 mm	AV2010	$\alpha_w = 0,75$
4	Vogl Akustikdesignplatte 12/25Q Dicke 12,5 mm	OPP22 Dicke 30 mm	AV2010	$\alpha_w = 0,80$

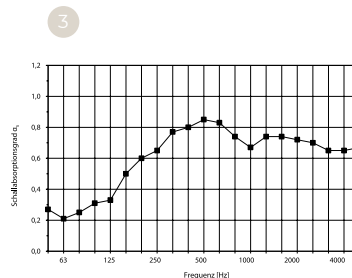
*According to ÖNORM EN ISO 11654.



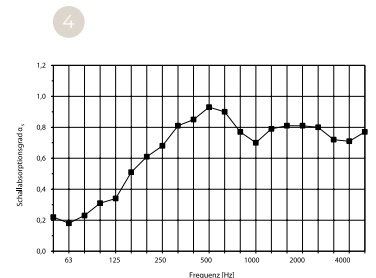
Source: Heradesign



Source: Heradesign



Source: Vogl Deckensysteme GmbH



Source: Vogl Deckensysteme GmbH



ECOLOGICAL PARAMETERS

Compliant with the NaturePlus® Life cycle assessment **SOLENA**

Use of non-renewable primary energy without the non-renewable primary energy carriers used as raw material (PENRE [MJ, lower calorific value])	23,44	MJ/kg
Global warming potential Total of GHG emissions and CO ₂ storage (GWP 100 total)	0,83	kg CO ₂ -äquiv./kg
Acidification potential of soil and water (AP)	4,63E-03	kg SO ₂ -äquiv./kg
Potential for the formation of tropospheric ozone (POCP)	8,04E-04	kg C ₂ H ₄ -äquiv./kg
Eutrophication potential (EP)	2,08E-03	kg PO ₄ ³⁻ -äquiv./kg

