OPTIMAL PLUS

Product data sheet

Item number	OPP02200BR24
Density	22 kg/m³
Raw material	100% wool sustainable, durable, recylable, 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

Sheep wool insulation

Air purification

Humidity regulation

Sound insulation Fire protection

Sustainable

Wool protection

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/m³	Thickness (mm)	Width (mm)	Lenghts (mm)	Item/PU	m²/PU	PU/Pal	m²/Pal
OPP22	22	30	600	9.000	2	10,80	24	259,20
OPP22	22	40	600	6.000	2	7,20	26	187,20
OPP22	22	50	600	6.000	2	7,20	20	144,00
OPP22	22	60	600	6.000	2	7,20	17	122,40

*Special sizes available from a minimum quantity of 3,73 m³ at no extra charge.

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ISOLENA NEWSLETTER
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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 Ø 18/18 – 5 mm, __ISOLENA Optimal__ thickness 40 mm, 60 mm back ventilation.

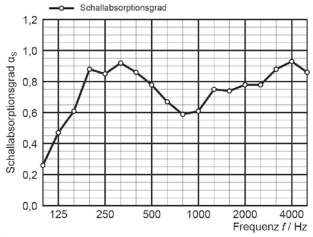
SUPERSTRUCTURE TESTING

Asessment of the sound absoprtion leven according to DIN EN ISO 354

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

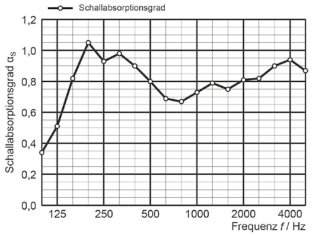
*According to ÖNORM EN ISO 11654.

1



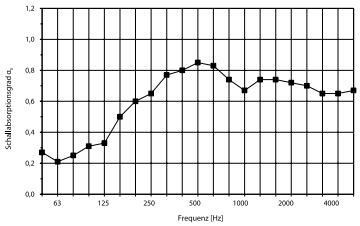
Source: Heradesign

2



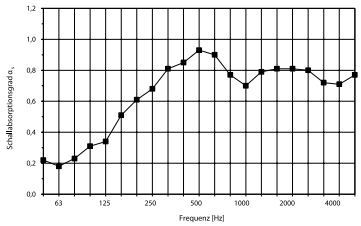
Source: Heradesign

3



Source: Vogl Deckensysteme GmbH

4



Source: Vogl Deckensysteme GmbH

ECOLOGICAL PARAMETERS

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

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 $CO_{2\text{-äquiv.}}$/kg
Acidification potential of soil and water (AP)	4,63E-03	kg $SO_{2\text{-äquiv.}}$/kg
Potential for the formation of tropospheric ozone (**POCP**)	8,04E-04	kg $C_2H_{4\text{-äquiv.}}$/kg
Eutrophication potential (EP)	2,08E-03	kg $PO_4^{3}{}_{\text{-äquiv.}}$/kg

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Wir sind Klimabündnis Betrieb

THE CAMPAIGN FOR WOOL

TECHNICAL APPROVAL EUROPEAN No: 07/0214

natureplus® No. 0103-1006-099-1

CE

Energy Globe Award

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