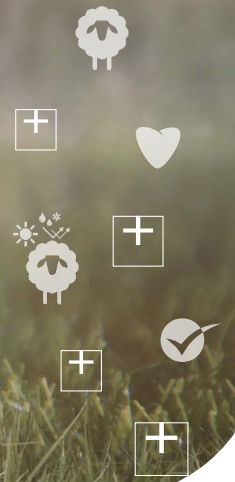


# OPTIMAL PLUS

Product data sheet



**Item number**  
**Density**  
**Raw material**  
**Application**

OPP02200BR24  
22 kg/m<sup>3</sup>  
100% wool sustainable, durable, recyclable, without synthetic additives  
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/m <sup>3</sup>	Thickness (mm)	Width (mm)	Lengths (mm)	Item/PU	m <sup>2</sup> /PU	PU/Pal	m <sup>2</sup> /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 m<sup>3</sup> at no extra charge.

# OPTIMAL PLUS

Product data sheet



**IOLENA 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 $\lambda_{tr}$	0,035 W/mK
Vapour diffusion resistance factor $\mu$	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, **IOLENA Optimal** thickness 40 mm, 60 mm back ventilation.

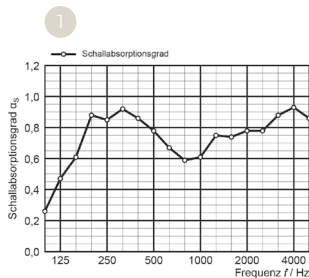


## SUPERSTRUCTURE TESTING

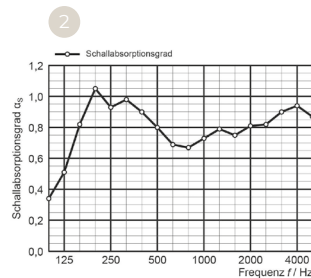
Assessment of the sound absorption level according to DIN EN ISO 354

	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	$\alpha_w = 0,80$

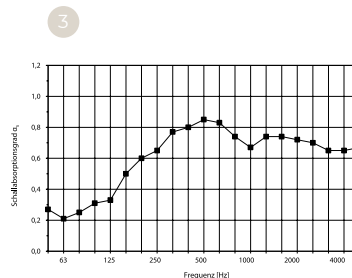
\*According to ÖNORM EN ISO 11654.



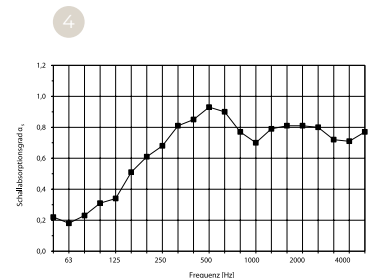
Source: Heradesign



Source: Heradesign



Source: Vogl Deckensysteme GmbH



Source: Vogl Deckensysteme GmbH



## ECOLOGICAL PARAMETERS

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

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

