

### Purpose

The high-tech acoustic mats, offering ambient and impact noise insulation, for the loose installation under laminate-, parquet- and designfloors.

### Product composition

Permanently elastic underlay material made of mineral fillers and polyurethane binder.

Akustik-Protect 100 and 500: additionally, one-sided foil, one-sided aluminium laminated foil (as a vapour barrier).

### Environmental

These underlays are FREE from plasticizers, asbestos, formaldehyde, halogens and heavy metals. The product is solvent-free and does not contain any other ozone-depleting substances. The renewable resources used in the product do not compete with food crops (during growth).



[www.blauer-engel.de/uz156](http://www.blauer-engel.de/uz156)

### Product quality according EN 16354

			Test standard	Akustik-Protect 80	Akustik-Protect 100	Akustik-Protect 500
				Rating		
	l	Length	DIN EN 16354	8.500 mm (± 15 mm)		6.000 mm (± 15 mm)
	w	Width	DIN EN 16354	1.000 mm (± 1 mm)		
	d	Thickness	DIN EN 16354	1,8 mm (± 0,15 mm)		2,6 mm (± 0,15 mm)
	AW	Weight		1,5 kg/m <sup>2</sup> (± 0,15 kg/m <sup>2</sup> )		2,4 kg/m <sup>2</sup> (± 0,15 kg/m <sup>2</sup> )
	RTF	Reaction to fire	DIN EN 13501-1	E <sub>fl</sub> (without flooring)	B <sub>fl</sub> (without flooring)	
	R	Thermal resistance (suitable for water floor heating)	DIN EN 16354	0,01 m <sup>2</sup> K/W		
	RWS	Sound absorption	DIN EN 16205	~ 24 % (± 2%)*		~ 28 % (± 2%)*
	IS	Impact sound reduction	DIN EN 16251-1	~ 18 dB (± 2dB)*		
	CS	Compressive strength	based on DIN EN 826 (250 Pa; 0,5 mm)	~ 240 kPa (~ 24 t/m <sup>2</sup> )		~140 kPa (up to 14 t/m <sup>2</sup> )
	CC	Compressive creep	DIN EN 16354	~ 46 kPa		~ 40 kPa
	PC	Compensation for punctual unevenness	DIN EN 16354	~ 0,98 mm		~ 1,15 mm
	DL	Resistance to dynamic loads	DIN EN 16354	> 2.500.000 cycles		
	S <sub>D</sub>	Water vapour diffusion resistance	DIN EN 12086	exclusively with additional vapour barrier	> 75m	> 75m
		Disposal		Private waste disposal with normal household waste (items are recycable (EAK-Nr: 17 06 04)).		

\* Messung unter Normlaminat EPLF (7mm)

Changed:	QMB Parador	File:	PA TDS Akustik-Protect-80 100 500 EN 20210501
Date:	01.01.2014	Updates:	<a href="https://parador.de/en/services/downloads/skirtings-accessories">https://parador.de/en/services/downloads/skirtings-accessories</a>
Our technical data sheets are constantly updated and adapted to the latest technology. This version replaces all earlier versions and is valid from:			01.05.2021