



Protektor

Who are we ?

- **Protektor is part of Protektor Europe which is one of Europe's market leaders in drywall solutions.**
- **Protektor Europe is a family business with over 100 years of experience supplying the plastering and dry lining market with representatives in 38 countries across Europe.**
- **We have been manufacturing dry wall profiles at our factory at Kidderminster for over 30 years.**
- **Protektor was the original supplier of steel wall systems to the UK market.**
- **Protektor is committed to ensuring that we offer valued added solutions and products to support our customer's requirements.**
- **Our aim is to be a responsible and sustainable supplier of dry wall products to the industry.**

MAXI-TEC

Today's demand for sustainability and CO2 reduction, manufacturers are being challenged to provide innovative products and solutions that assist this demand

Often sustainability and CO2 reduction is achieved by reducing wastage, recycling, reducing transport etc.
And by implementing solutions on site such as solar energy, heat recovery, rain water harvesting etc. to aid sustainability

But what if by changing a product that is part of the existing build, but which is not normally associated as a product that ticks the sustainability box you can reduce the sites CO2 performance?

Well, it is no longer a what if. Protektor has the product which offers CO2 reduction and it comes with its own EPD rating

MAXI-TEC

Welcome
To
MAXI-TEC

The sustainable drywall solution

MAXI-TEC



MAXI-TEC

MAXI-TEC is a unique product designed to be manufactured using less material while still retaining performance and specification

Due to Protektor's innovative manufacturing process

MAXI-TEC

Offers

1.5 MAT-2 EPD points

MAXI-TEC

bre

Statement of Recognition

BREGEPDNo.: R00032 Issue 01

The attached

Environmental Product Declaration

provided by:

Profil-Vetrieb GmbH/PROTEKTORWERK Florenz Maisch GmbH & Co. KG

is Recognised by BRE Global as being in accordance with the requirements of:

EN 15804:2012+A1:2013

as verified and issued by: IBU

Reference number: EPD-PTW-20180156-ICB1-EN

This declaration is for:

MAXI-TEC® CW- und UW-Profile

Company Address

Viktoriastraße 58
D-76564 Gaggenau



Emma Baker

Signature BRE Global Ltd

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Emma Baker

Operator

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Date of this Issue

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BRE Global Ltd., Garsdon, Watford WD05 9XX,
T: +44 (0)333 321 8811 F: +44 (0)1923 864003
E: enquiries@bre.com

EPD Verified and issued by IBU



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Protektor MAXI-TEC bre Statement of Recognition

BREEAM®

MAXI-TEC

BREEAM®

- Reduction of waste materials and landfill
- Ability to Recycle product
- Reduction of CO2 emissions
- Reduction of operating costs
- Improve worker productivity and weight of handled product used

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What is an EPD

An Environmental Product Declaration (EPD) is an independently verified and registered document that communicates information about the life-cycle environmental impact and life cycle of products



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bre Recognised MAT-2 EPD and points obtainable

Recognised types of EPD	EPD points
EPD applicable to more than one product in the same product category, and more than one manufacturer	0.5
EPD applicable to more than one product in the same product category, and a single manufacturer	0.75
EPD applicable to a single product and a single manufacturer the product may be manufactured in more than one location	1.5

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MAXI-TEC



For every person on a return flight from Heathrow to Athens approx. 400 kg of CO₂ will be produced

MAXI-TEC

When you compare the production of 100 tonnes of standard metal stud and track to the same amount of MAXI-TEC

The production of MAXI-TEC will produce a saving of 36 tonnes CO2

Which equates to approx. 90 return flights from Heathrow to Athens

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Protektor MAXI-TEC - Based on 1000
lengths of 3.0 lm profiles

Stud Size Size	Gauge (Thickness)	Flange A	Flange B	Description	Traditional Stud Profile (Kilos)	MAXI-TEC Profile (Kilos)	Weight Saving %
British Standard Profile							
50 mm	0.5 mm	36 mm	34 mm	C Stud Profile	1,572	1,398	11.1%
70 mm	0.5 mm	36 mm	34 mm	C Stud Profile	1,845	1,551	15.9%
92 mm	0.5 mm	36 mm	34 mm	C Stud Profile	2,157	1,860	13.8%
DIN Standard Profile							
50 mm	0.6 mm	49 mm	47 mm	C Stud Profile	2,400	2,070	13.8%
75 mm	0.6 mm	49 mm	47 mm	C Stud Profile	2,760	2,298	16.7%
100 mm	0.6 mm	49 mm	47 mm	C Stud Profile	3,120	2,505	19.7%

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Technical data ¹⁾										
Wall type on the basis of MAXI-TEC® profiles	Wall code	Dimensions in mm			Maximum sound reduction index $R_{w,2}$ in dB (tested acc. to DIN 4109)			Maximum fire resistance class (classified acc. to DIN 4102 and EN 13501) ²⁾		
		D	a	d	with plasterb. ³⁾ panelling $\geq 8,5 \text{ kg/m}^2$	with plasterb. ³⁾ panelling $\geq 10,5 \text{ kg/m}^2$	Insulation type ¹⁰⁾ /thickness in mm	Values	Plasterboard panelling	Insulating material
Single partition, single boarded 	CW 50/75	75	50	12,5	40	43	Mineral wool/40	F30-A/EI 30	DF ⁴⁾ 14)	without/with mineral wool ¹⁶⁾
	CW 75/100	100	75	12,5	42	—	Mineral wool/40	F60-A/EI 60	DF ⁴⁾	with mineral wool ¹²⁾
	CW 75/100	100	75	12,5	42	46	Mineral wool/60	F30-A/EI 30	DF ⁴⁾ 14)	without/with mineral wool ¹⁶⁾
	CW 100/125	125	100	12,5	46	47	Mineral wool/80	F60-A/EI 60	DF ⁴⁾	with mineral wool ¹²⁾
	CW 100/125	125	100	12,5	46	47	Mineral wool/80	F30-A/EI 30	DF ⁴⁾ 14)	without/with mineral wool ¹⁶⁾
	CW 100/125	125	100	12,5	46	47	Mineral wool/80	F60-A/EI 60	DF ⁴⁾	with mineral wool ¹²⁾
Single partition, double boarded 	CW 50/100	100	50	2x12,5	48	52	Mineral wool/40	F90-A/EI 90	DF ⁴⁾ 18)	without/with mineral wool ¹⁶⁾
	CW 75/125	125	75	2x12,5	51	—	Mineral wool/40	F90-A/EI 90	DF ⁴⁾ 18)	without/with mineral wool ¹⁶⁾
	CW 100/150	150	100	2x12,5	50	53	Mineral wool/80	F90-A/EI 90	DF ⁴⁾ 18)	without/with mineral wool ¹⁶⁾
Single partition, three-fold boarding 	CW 50/125	125	50	3x12,5	51	—	Mineral wool/40	F90-A/EI 90	DF ⁴⁾	without/with mineral wool ¹⁶⁾
	CW 75/150	150	75	3x12,5	—	—	—	F90-A/EI 90	DF ⁴⁾	without/with mineral wool ¹⁶⁾
	CW 100/175	175	100	3x12,5	54	—	Mineral wool/80	F90-A/EI 90	DF ⁴⁾	without/with mineral wool ¹⁶⁾
Double partition, double boarded 	CW 50 + 50/155	155	105	2x12,5	—	58	Mineral wool/80	F90-A/EI 90	DF ⁴⁾ 18)	without/with mineral wool ¹⁶⁾
	CW 75 + 75/205	205	155	2x12,5	—	—	—	F90-A/EI 90	DF ⁴⁾ 18)	without/with mineral wool ¹⁶⁾
	CW 100 + 100/255	255	205	2x12,5	—	—	—	F90-A/EI 90	DF ⁴⁾ 18)	without/with mineral wool ¹⁶⁾
	CW 50 + 50/160 ¹⁸⁾	≥ 160	110	2x12,5	—	—	—	F90-A/EI 90	DF ⁴⁾ 18)	without/with mineral wool ¹⁶⁾
	CW 75 + 75/210 ¹⁸⁾	≥ 210	160	2x12,5	—	—	—	F90-A/EI 90	DF ⁴⁾ 18)	without/with mineral wool ¹⁶⁾

Protektor MAXI-TEC Wall solutions
To achieve Part E Building Regulations

MAXI-TEC

Sustainability of the workforce

- **Reduced weight:** Approx. 13% lighter than standard studs.
- **Reduced wastage:** Cut to length service reducing handling on site.
- **Studs:** Can be set at centres to accommodate smaller plaster boards to reduce manual handling on site.

MAXI-TEC

Sustainability of the workforce

The health and wellbeing of site operatives is a key priority if we are to maintain the levels of people required to construct the homes, hospitals, schools and offices we need. Anything that reduces the risks associated with manual handling should be commended.

Joe Cilia, FIS Technical Director

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Benefits of Protektor **MAXI-TEC**

- Only lightweight steel section with 1.5 MAT-2 EPD points
- Recognition by buildings assessment schemes, such as BREEAM
- CO2 figures reduction 36 tonnes CO2 per every 100 tonnes of material produced
- Reduced weight providing safer manual handling
- Easy installation of M&E, reducing potential delays onsite regarding snagging
- Achieves as part of a system regulations for acoustics & fire
- Cut to length service available for projects, therefore reducing waste on site

MAX-TEC

13.09.19

BAL INTERIORS LTD

RE: MAXI-TEC

As an installer of dry lining material we highly recommend Protektor MAXI - TEC. We have recently completed a project at Alton Leisure Centre in Hampshire where BAL and Protektor specified MAXI-TEC.

We are also just about to start a new project Whitehill and Borden Leisure Centre for the same client and MAXI-TEC will once again be used with numerous other projects starting later in the year where we will continue to use MAXI-TEC dry wall.

MAXI -TEC not only offers our client a product that offers CO2 reductions and meets a sustainable standard but it also aids the M&E installation.

The M&E Installation is quicker (more access points than standard stud), the stud is easy trim and damage to studs are reduced as the M&E installer's don't have to cut holes out of the stud which in the long run reduce snagging costs and as we have found speeds up the installation.

Regards

Andrew Falls

MAXI-TEC

13.09.19

BWP Plastering Services LTD

BWP have worked closely with Protektor over a number of years, we were given the opportunity to get involved in the specification of their MAXI-TEC product recently.

This has been advantageous to BWP as we have been able to offer our clients a product that ticks the box regarding sustainability.

We are currently working with a client on an historic building in Leicester that we are converting to apartments, this project requires the wall systems to achieve all the required acoustic and fire performances without overly increasing the loads on the floors.

By using Protektor MAXI-TEC which is approx. 12-15% lighter than traditional metal studs we are able to achieve the clients wishes.

We also work closely with the M&E contractors and the use of MAXI-TEC makes their installations easier.

Ben Wright



MAX-TEC

MAXI-TEC is the most innovative product that we have seen introduced to the drylining market. It has been received amazingly well by all our customers who are immediately grasping its sustainable and commercial advantages. In addition as an installer of Protektor Systems the feedback from our first Site using the product which is a newbuild residential flatted development for a housing association in Southend on Sea, is that the fixers can achieve a higher output due to product being lighter and already prefer using it. The product can also be cut and delivered to a specific length with the wastage reduced to a minimum. There has been an improvement in the health and safety, as we do not need to use cold cutting chop saws because it is robust enough to utilise guillotines. Overall, we believe this is a great product which is supported by an excellent team, from the specification team who can quickly create specifications which achieve the performance to the installation teams. We are more than happy with the product moreover our clients

Crawford Copstick
West Drylining And Facades Ltd
E: Crawford@WestLtd.net



MAX-TEC

MAXI-TEC PROJECTS

- Alton Leisure Centre
- Whitehill & Borden Leisure Centre
- Fenwick building Leicester
- Anstey lane Leicester
- Chalkwell lodge
- Woolwich Reach
- Hornchurch Leisure Centre
- Colchester Rugby Club

FAQ's

- Is MAXI-TEC as strong as standard stud
- Can MAXI-TEC be used to replace acoustic stud
- Do you have to use the MAXI-TEC track
- Can you use MAXI-TEC with all types of wall boards
- Can MAXI-TEC be used in wet areas

Protektor

