



## Glasbord Sandwich Panels

### Details

Glasbord sandwich panels are the ideal solution for fast, flexible and cost effective sandwich constructions with the highest demands towards aesthetics and safety. Different versions with various insulating materials ensure optimum design conditions for the implementation of different applications. For example, the quality of Glasbord FXI is classified as fire retardant (B, s2, d 0) according to the European standard (EN 13501) and in connection with a Rockwool core a fire protection up to F90 can be achieved. Particularly important for the reliable durability, permanent good appearance and above all the safe hygienic surface, is the quality of the joints. To also ensure this aspect, DCTech offers a so-called "hard" grouting material. Which by itself is a remarkable product. But the mere implementation of existing products was not regarded as sufficient by DCTech. Therefore, a special grouting material was developed which was optimally adapted for the material and the application purpose. DCTech also offers an extensive range of accessories, to provide the perfect solution for every room setting and requirement.



### Applications

- High corrosive environments ie cheese, fish and butter
- Cool-rooms
- Moist-rooms
- Fire safety panels
- Storage areas
- Ripening rooms

### Features

- Durable: a high load capacity and resiliency against bumps and scratches
- Clean: can be cleaned simply and absolutely germ-free
- Hygiene: homogeneous, non-porous Surfaseal surface that does not offer any breeding ground for microorganisms
- Sealed: no joints or gaps thanks to a special grouting material and a rich assortment of accessories

### NSW

Unit 8, 171-175 Newton Rd  
Wetherill Park NSW 2164  
P O Box 7186  
Wetherill Park DC NSW 1851  
T 02 8788 9555  
F 02 9604 7468  
E [nsw@dctech.com.au](mailto:nsw@dctech.com.au)

### VIC

12 Agosta Drive  
Laverton North VIC 3026  
T 03 9369 7920  
F 03 9369 4043  
E [vic@dctech.com.au](mailto:vic@dctech.com.au)

[www.dctech.com.au](http://www.dctech.com.au)



## Technical Data

Product Name:	<b>Glasbord Sandwich Panels</b>
Internal:	<ul style="list-style-type: none"> <li>• PWI-P 2,3mm White or</li> <li>• FXI-E 2,3mm White with Surfaseal-foil</li> </ul> Sealing: T-profile or 1C-/2C Sealant
External:	<ul style="list-style-type: none"> <li>• As per internal skin or,</li> <li>• Alu-Foil 0,1mm White</li> <li>• Steel galvanised 0,5mm (Z275) covered Polyester SP 5my or 25my (RAL 9002)</li> <li>• Steel galvanised 0,6mm (Z275) covered Polyester SP 5my or 25my (RAL 9002)</li> </ul>
Core:	<ul style="list-style-type: none"> <li>• EPS 100kPa Hardly flammable (DIN 4102-B1) or,</li> <li>• EPS 150kPa Hardly flammable (DIN 4102-B1)</li> </ul>
Fire Resistance:	Combined elements are normal flammable (DIN 4102-B2) PWI-P 2,3mm (DIN EN 13501:2010-E) FXI-E 2,3mm (B,S2,D0 in DIN En-tests)
Insulation:	Thermal conductivity WLG 040 or WLG 035
Sizes:	Width 1.190mm Covering Width 1.190mm Maximum Length 8.000mm Thickness 20mm bis 240mm

Skin Material	Sandwich Panel	Fire Resistant Panel	Surface	Fire Classification of Wall	Length mm
PWI	X		Embossed	B2	*
PWI-P	X		Embossed	B2	*
PSI-FT	X		Smooth	B2	*

FX	X	X	Embossed	B1	*
FSI-E	X		Smooth	B1	*
<b>Core Material</b>					
Polystyrol	X			B1	
Glasswool	X	X		B1	
* Length	<i>Depends on the requirements for insulation and fire resistance</i>				

### Fittings

In specific area, such as ripening rooms, the need for system components is given. Corners are equipped with radius parts. These parts are produced with a Glasbord surface in a form press which means it is possible to produce a maximum length of 4.0m. Within higher rooms the panels maximum radius is 50mm; lengths available of 300 x 600mm. Core thickness is between 20 and 80-240mm.

#### 90° Corner

The back can be laminated with aluminum foil galvanised steel, standard fibreglass or Glasbord.



#### T-Part for separating Walls

The back can be laminated with aluminum foil galvanised steel, standard fibreglass or Glasbord



#### X-Part

4-sided Glasbord material



### Sealants

Hydewa sealants in hard or soft design ensures a self-developed and food-acceptable element. They are an ideal sealing material for sealing sandwich elements. 2-C Joint can be described as a maintenance free and has similar properties to the Glasbord

surface. It is not prone to yellowing and the sealed surface rejects mould.

### **2-C Epoxy Joint Sealant and Filler**

Connection and expansion joints without movement recording indoors. Repair of small defects of Glasbord. Solvent-free, thixotropic, quick setting, wide adhesion range.

