

EXCEPTIONAL HYGIENE

HygiSeam™

Hygienic Insulated Panel w / PIR



INDUSTRY COMPLIANCE



INDUSTRY CERTIFICATIONS



HygiSeam™ W / PIR

Using the HygiSeam™ panel with Glasbord® w/ Surfaseal® and the HugiFill PU™ seam sealant together create durable, hygienic, cleanable and life time non-corrosive surface to support the highest hygienic performances required in critical areas such as cold and dry stores, wet areas and food processing plants.

The Glasbord® skin on HygiSeam™ is HACCP and UL greenguard certified and available in FM approved, Class A and Class C fire rated for flame spread and smoke development when tested per ATSM E84.



Applications

- COLD STORES
- DRY STORES AND DISTRIBUTION CENTERS
- MEAT PROCESSING INDUSTRY
- POULTRY PROCESSING INDUSTRY
- FISH PROCESSING INDUSTRY
- DAIRY INDUSTRY BEVERAGE INDUSTRY
- FRUIT AND VEGETABLE INDUSTRY
- CONFECTIONARY INDUSTRY
- FREEZERS & COLD STORAGE
- CATERING
- INDUSTRIAL BAKERIES
- BLAST FREEZERS

Value Propositions

- LIFE TIME NON-CORROSIVE
- HACCP CERTIFIED
- UL GREENGUARD CERTIFIED
- STAIN RESISTANT
- IMPACT RESISTANCE
- MOSITURE RESISTANT
- PORE-FREE SURFACE
- SEAMLESS WALL SYSTEM
- SUPERIOR HYGIENE
- REDUCED COST OF MAINTENANCE
- WITHSTANDS AGGRESSIVE CLEANINGS

HygiFill PU™

The HugiFill PU™ sealant enables seamless joint between panels and provides a protection against mold and mildew. It is also ideal solution against chemicals and repetitive cleaning thanks to its unique caulking system.



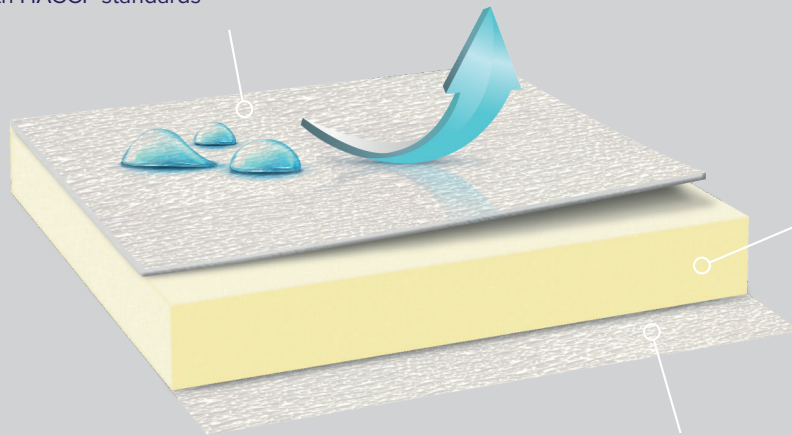
made
in
Germany

FRONT (1ST Covering):

With our surfaces we distinguish between standard requirements (storage areas, Service rooms, etc..) and areas with highest demands (meat processing plants, slaughterhouses, etc..). We offer the ideal solution for every area using our GLASBORD® W/ Surfaseal® in compliance with HACCP standards

CORE MATERIAL:

The HYGISEAM™ sandwich panels (insulated panels) from Exceptional Hygiene can be used as partition panels, facade panels or ceiling panels, they are constructed from different core materials : PIR 20 - 140 mm.



PIR



Galvanized steel



Aluminium



GLASBORD® W/Surfaseal®

REAR END (2ND COVERING):

The back can be done just like the front clad with GLASBORD® W/Surfaseal® (eg for Partition Walls). As an alternative we can also do aluminum or galvanized steel. The galvanized steel back is additionally with an Interlock closure equipped.

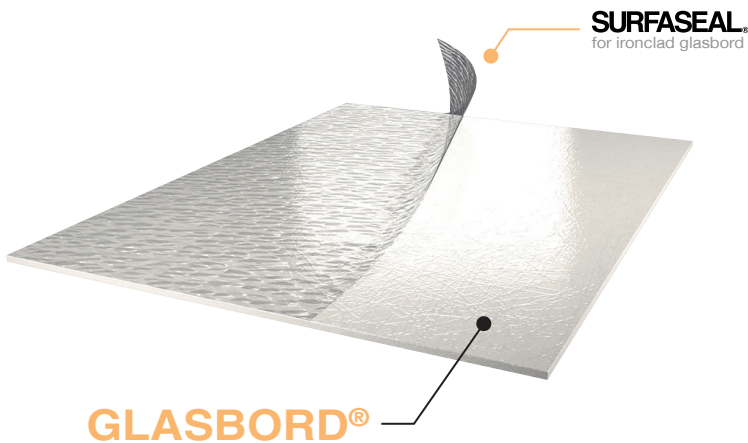
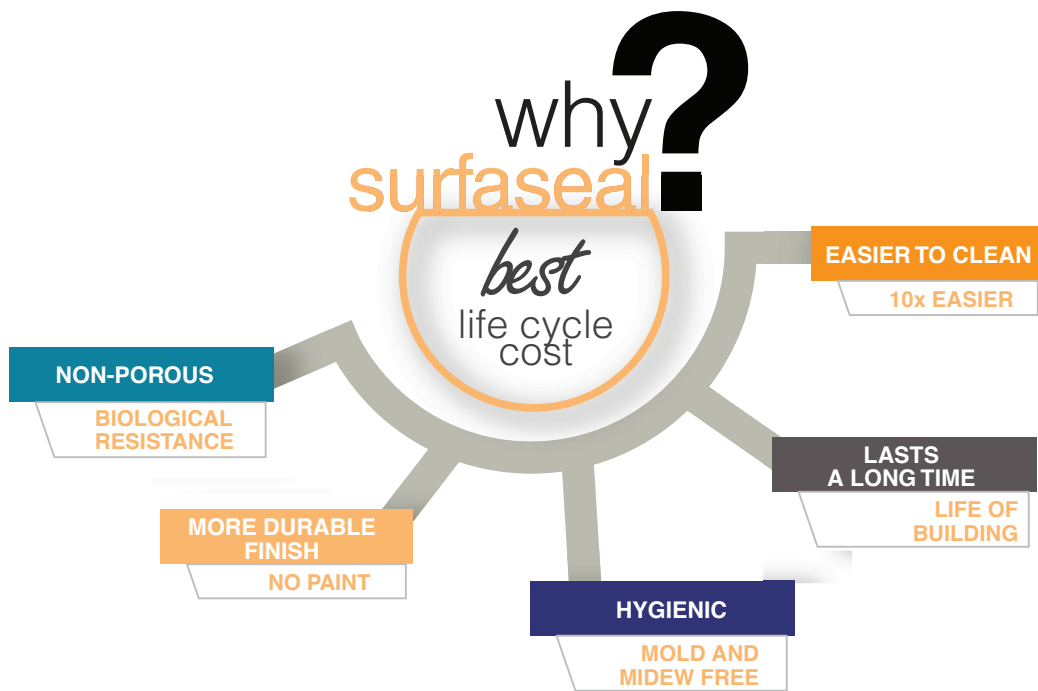
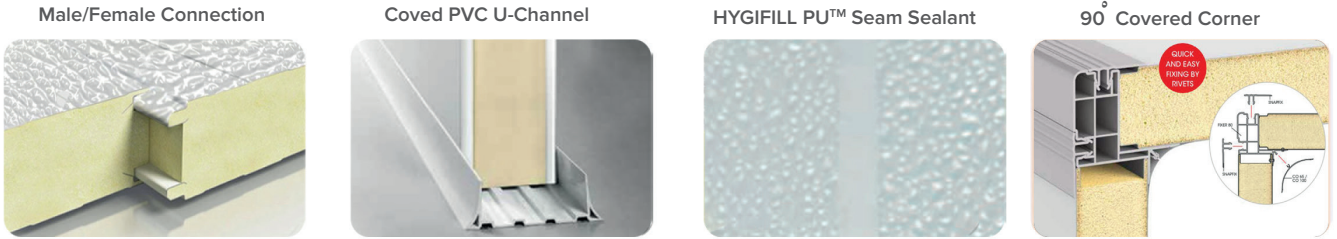
Technical Data

Product Name	HYGISEAM™ (W/PIR)																														
Internal	<ul style="list-style-type: none"> • GLASBORD® W/ Surfaseal® embossed (Recommended for Food Processing plants), 																														
External	<ul style="list-style-type: none"> • As per internal skin • Steel galvanised 0,5mm (Z 275) covered Polyester SP 5 my or 25 my (RAL 9002) • Aluminum 																														
Core	<ul style="list-style-type: none"> • Polyisocyanurate PIR 																														
Fire Resistance	<ul style="list-style-type: none"> • GLASBORD® W/ Surfaseal® : FM approved - Class A - Class C • Polyisocyanurate PIR hardly flammable DIN4102-B1 																														
Insulation	<p>Thermal Conductivity of K= 0.028 KW/ mK (WLG 28)</p> <table border="1"> <thead> <tr> <th>Thickness (mm)</th> <th>Thermal Transmission U-Value (W/m².k)</th> <th>Thickness (mm)</th> <th>Thermal Transmission U-Value (W/m².k)</th> <th>Thickness (mm)</th> <th>Thermal Transmission U-Value (mm)</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>0.512</td> <td>100</td> <td>0.267</td> <td>180</td> <td>0.152</td> </tr> <tr> <td>60</td> <td>0.432</td> <td>120</td> <td>0.224</td> <td>200</td> <td>0.137</td> </tr> <tr> <td>75</td> <td>0.341</td> <td>140</td> <td>0.193</td> <td>220</td> <td>0.125</td> </tr> <tr> <td>80</td> <td>0.33</td> <td>160</td> <td>0.17</td> <td>240</td> <td>0.114</td> </tr> </tbody> </table>	Thickness (mm)	Thermal Transmission U-Value (W/m².k)	Thickness (mm)	Thermal Transmission U-Value (W/m².k)	Thickness (mm)	Thermal Transmission U-Value (mm)	50	0.512	100	0.267	180	0.152	60	0.432	120	0.224	200	0.137	75	0.341	140	0.193	220	0.125	80	0.33	160	0.17	240	0.114
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Sizes	<p>Width 1 m Maximum Length 8 m Thickness 50 - 240 mm</p>																														

Ease of installation

HYGISEAM™ (W / PIR) allows renovations of old walls and ceilings to be carried out by adapting to the existing context, without greatly reducing the useful surface areas of the premises. When the existing walls do not require the removal of old ducts or pipes, the installation time is reduced to a minimum thanks to an ingenious system: **GLASBORD® W/ Surfaseal®** profile is sufficient to ensure the implementation of the **HYGISEAM™** concept.

HYGISEAM™ (W / PIR)



certificates and compliance:

INDUSTRY CERTIFICATIONS



INDUSTRY COMPLIANCE



ASTM INTERNATIONAL
Does not support mold or mildew
per ASTM D2273/D2274

EXCEPTIONAL HYGIENE



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