



Freva HygieneTop



Profile-free panel system with hygienic surfaces
and maintenance-free hard joining



Hygienic ceiling and wall systems made to measure with **Freva** HygieneTop

Easy to clean surfaces are the first word in food processing operations. Corner areas and joint bridging prove to be “problem zones” again and again because dirt or condensed water collects here and germs can multiply.

The Freva HygieneTop system offers effective solutions to completely get around these weak points.

Application range

- Cool storage, coolers
- Cold storage and deep-freeze rooms
- Processing rooms
- Production rooms
- Cold storage and deep-freeze storage
- Maturing rooms
- Clean rooms
- Large-scale kitchens
- Pig and poultry pens, milking pens

Joint sealing with maintenance-free hard joining

- Specially developed joint sealer EPU 25 hardens completely; expansion joints are not needed!
- Non-porous, smooth sealed joints are extremely durable
- Easy and residue-free cleaning certified by the Landesgewerbeamt [Supervisory and Certification Board of the State Agency] Bavaria

Profile-free solutions for corner areas

- Variation »Hygiene corner« “Bevelled” corner through the adhesion of a triangular hollow moulding; joint sealing with HygieneTop hard joining
- Variation »90°-corner« Corner in a 90° angle; joint sealing with HygieneTop hard joining
- Variation »Round-corner« Pre-fabricated corner module with rounded corners – no joints!

GRP surfaces for optimal hygienic conditions

- Light and smooth GRP and GRP/GELCOAT-surfaces
- Easy and residue-free cleaning – also with pressure washers
- Insensitive to moisture and resistant to corrosion
- Salt, lye and acid-resistant
- Mechanically heavy duty
- Physiologically harmless – suitable for use in food processing

Energy-saving insulating core of EPS or Neopor®

- High insulation values
- Depending on the requirement, available in various thicknesses

Freva HygieneTop

Insulating core	EPS 040, 035 or Neopor® 032
Cover layers	GRP, GRP/GELCOAT, FrevaStruktur – can be combined from rear side with other cover layers e.g. GRP, galvanised steel sheet, aluminium foil, PVC
Element thickness	80 to 240 mm
Element size	Width 1200 / 1180 mm, length variable
Element connection	Tongue and groove
Joint bridging	Hard joining with joint sealer EPU 25
Fire protection class	B2 - DIN 4102, Part 1

Clean room for the manufacture of milk products: EPS + two-sided GRP/GELCOAT 2.0 mm, with pre-fabricated rounded corners and HygieneTop hard joining



Simple assembly of the panels through precisely fitting tongue and groove system



Joint sealer EPU 25 – specially developed for a non-porous joint sealing

Processing of joint sealer EPU 25:
Fill joint generously and smooth out joint sealer with a silicon trowel. Then remove factory-installed adhesive tape and allow the joint to harden.



Ceiling-high joining in a meat processing plant.



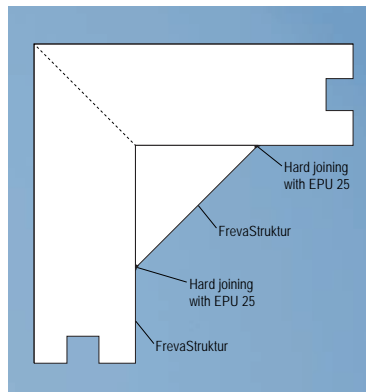
Wall and ceiling cladding in a carwash facility: Due to the good viscosity, EPU 25 is also suitable for “overhead work” on ceilings.



Easy cleaning without concealed hollow spaces through profile-free assembly also in corner areas

Hygiene corner:

Through the adhesion of a pre-fabricated, supplied triangular hollow moulding in the 90° corner, the room corner is “bevelled”. The joint sealing is done with maintenance-free hard joining.



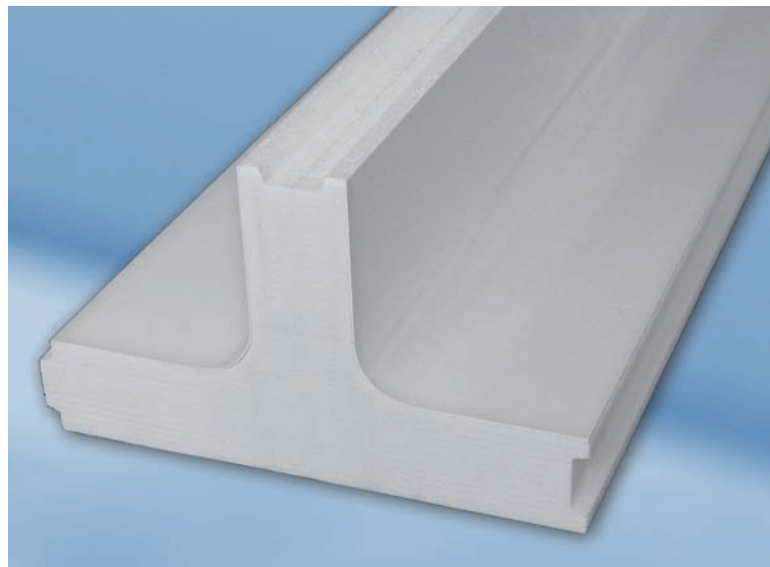
90° corner:

Joint sealer EPU 25 is applied directly in the 90° corner and worked into a hollow groove with a silicone trowel. After a complete hardening of the joint sealer, the corner is sealed non-porously.



Rounded corner:

Pre-fabricated corner module with rounded corners – no joints.



The easy-to-assembly and economical panel system, which meets the highest hygiene requirements

Installation and assembly

- Precisely fitting tongue and groove skirt milling enables an accurate mounting; also available with hook closure system
- Self-supporting system thus no visual mounting elements in the hygienically sensitive area
- Panels have factory-installed adhesive tape on the longitudinal sides to enable comfortable and exact joining with EPU 25
- Corresponding accessories for mounting and hard joining are supplied

Please observe our processing instructions for EPU 25 before assembly!

Joint sealer EPU 25 – hygienic evaluation of LGA Bavaria:

“According to Appendix Section 2 to §3 Para. 2 of the Food Hygiene Regulations, wall surfaces are to be provided, if necessary, with smooth surfaces up to a reasonable height for one of the corresponding work procedures. They are to be maintained in perfect condition and must be easy-to-clean and, if necessary, disinfect. If required, water-proof, hydrophobic and washable materials are to be used here. (...) The joint

material inspected shows a closed, non-porous surface. It is easy and simple to clean. The existing hollow groove shows a radius of >3 mm which is classified as easy-to-clean according to DIN EN 1672-2. The joint material of the object under test is firm, water-proof and washable, does not flake off and is applied deeply in the joint.”



Freva Sandwichsysteme GmbH

Industriestraße 3
34537 Bad Wildungen

Telephone: +49 (0) 5621 965679-0
Fax: +49 (0) 5621 965679-9
E-mail: info@freva.de
Internet: www.freva.de