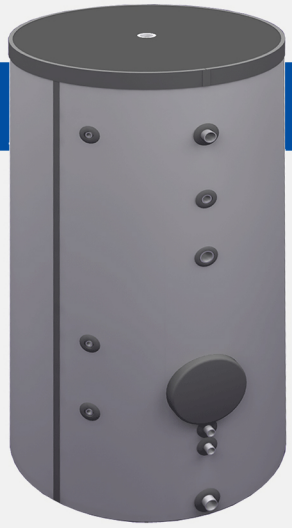
Insulation System



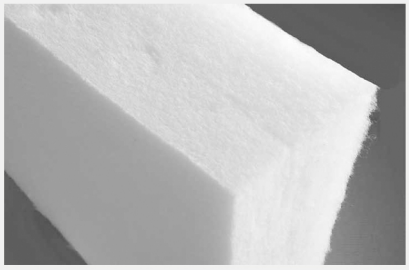
Advantages

- Optimal thermal insulator because the fibre fleece insulation perfectly fits the shape of the storage tank
- Robust PP outer sheathing, which can be printed individually
- Patented aluminum closure strips without unwished opening
- Can be used for any sizes and heights of storage tanks
- Patented covering rosettes
- Sleeve caps for insulation of unused connections
- Loss-optimized insulation cutouts at the connecting points
- Environmentally friendly manufacturing process (without chemical additives)
- 100% recyclable
- Flame retardant according to DIN 4102-1 class B2 and on request in B1
- Food-safe, robust and extremely impact-resistant outer sheathing
- Excellent aging stability & shape stability
- Resistance to various acids and alkalis
- Easy and quick installation (even in winter at low ambient temperatures)
- Lightness
- Flexibility through in-house production

The patented aluminum closure strip allows simple and quick opening and closing of the outer sheathing by one single person

Unique Fiber Fleece Insulation

The newly developed fibre fleece in sulation has up to 30 percent less heat losses compared to conventio nal foam insulations. Fibre-fleece has been used for several years in the clothing industry and in the automotive industry. The material fits perfectly to the shape of the storage tank due to its special characteristics. Thus so called chimney effects are reduced. Without the use of chemical additives the insulating material is made of PET bottles and is therefore 100 percent recyclable. The insulation is flame retardant according to DIN 4102-1 class B2 and is available on request also for B1.



Material Analysis of Fiber Fleece Insulation and Sheathing

Fire Fleece

Data fleece	Thermally bonded without chem. binder	
Fibre composite	100% PET	
Property	**Method**	**Averages**
Weight	Insulation strength 80 mm 100 mm 120 mm	1200 g/m2 1500 g/m2 1800 g/m2
Thickness (0.02 kPa)	WSP 120.6	80 mm 100 mm 120 mm
Density	DIN EN ISO 1183	12 kg/m3 *13 kg/m3
Thermal conductivity (10°) 15 kg/m3	DIN EN 12667	0.040 W/(mK)
Fire class	DIN 4102-1	B2

ADVANTAGE
Need or manpower to do insulation at site is not requried.