



Vatral[®] 150/650

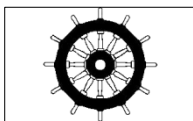
Technical Insulating Mortar

Technical Data

Dry bulk density:	Approx. 150 kg/m ³		
Density:	Approx. 0,41 g/cm ³		
Colour:	Pale grey		
Fire behaviour:	Not flammable	According to IMO FTPC Part 1	Module B: EC- Type Examination Certificate Certificate No.: 107.092 Module D: Certificate No. SEE 15043
	A1	According to DIN EN 13501-1 (01-2010)	Classification report KB-Hoch-121120
Measurement thermal conductivity (lambda-10):	0,050 W/mK	According to ISO 8302, EN 1946-2, EN 12667, EN 12664	
Maximum application temperature:	900°C	According to DIN EN 14706	From 650°C on a small amount of SO ₂ can be released from the glass hollow spheres.
Compressive strength:	≥ 0,3 MPa	According to DIN EN 1015-11	
Chloride content:	≤ 0,01 %	According to DIN EN 1015-17	

Regulation of the heat conductivity using the hot wire-(cross-) method according to DIN EN 993-14
(*measured in terms of the dried mortar*)

°C	10	50	100	200	400	600	800
W/mK	0,050	0,055	0,060	0,068	0,085	0,115	0,185



USCG-Registration- No.:
164.109/EC0736/107.092



Ref.-Nr.: 13001

TDS-23.02.2017-9-EN



Product Description

Vatral® 150/650 technical insulating mortar according to DIN EN 998-2. It can be used as a mortar or for the production of form bodies, such as plates, pipe sections, curves etc. Vatral® 150/650 technical insulating mortar with its excellent fire protective and heat-insulating qualities was developed especially for the technical insulation.

Area of application

Technical insulation.

Processing Directions

The mortar is ready for use. Stir the mortar slowly and carefully before processing it. Do not dilute the mortar! It may be processed using steel spatulas. The areas to be treated have to be clean, dry, dust-free and free of grease. During processing the room temperature must not be lower than 5 °C. After the mortar is dried completely it can be cut, grounded or drilled. The fully modeled parts harden at room temperature but it is also possible to harden them in stoves (Pre-drying at 50-70°C, Final drying at 100-150°C, drying time dependent on the thickness). To reduce the drying time insulations with layer thickness >3cm should always be used in combination with pre-dried plates, segments etc. See Vatral® 150/650 technical insulating plate, Vatral® 150/650 pipe section and Vatral® 150/650 segments.

Storage and Transport

Vatral® 150/650 technical insulating mortar has to be cool, but frost free, dry and closed stored and transported. Close open containers tightly. Unopened container can be stored for about 24 months with appropriate storage (Container from 25 litre: 6 month). The storage temperature must not be lower than 5 °C.

Delivery Form

Ready for use in plastic containers:

2,5; 10,0; 25,0 litre

Additional Notes

Small proportions of the binder volatilize from temperature of 150 °C.

For more information, refer to MSDS.