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Vatral® 150/650

Technical Insulating Mortar



Technical data sheet

Dry bulk density	Approx. 150 kg/m ³		
Density delivery form	Approx. 0,4 g/cm ³		
Colour	Signal white		
Behaviour in fire	Non combustible	According to IMO FTPC Part 1	Module B: EC-Type Examination Certificate Certificate No. 107.092 Module D: Certificate No. SEE 19056
	A1	According to DIN EN 13501-1:2010	Classification report KB-Hoch-121120-4
Measurement thermal conductivity (λ_{10})	0,050 W/(m·K)	According to ISO 8302, EN 12667	
Measurement airflow resistivity (r)	≥ 6000 kPa·s/m ²	According to DIN EN 29053	Measured on the board
Maximum service 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	$\geq 0,3$ MPa	According to DIN EN 1015-11	
Chloride content	$\leq 0,01$ %	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/(m·K)	0,050	0,055	0,060	0,068	0,085	0,115	0,185



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 is developed especially for the technical insulation.

Area of Application

Technical insulation.

Processing

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.

Drying Times

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 board, 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

bucket: **2,5 – 10 - 25 liter**

Other container sizes on request.

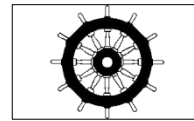
Requirements of Directive 2014/90/EU, Annex II, Part I.3

All reasonably foreseeable risks are covered by the applicable standards.

Additional Notes

A small contingent of the binding material evaporate at temperatures higher than 150 °C.

More data in the safety data sheet are to be concerned.



USCG Approval No.:
164.109/EC0736/107.092



Ref.-No.: 13001