

## DECLARATION OF PERFORMANCE

Nro. 096-FF-2016-01-04

1. **Unique identification code of the product-type:** Tulppa wetroom board -50mm
2. **Allowing identification of the construction product:** Check label.
3. **Intended uses of the construction product:** The boards are used for waterproofing wet rooms, as well as various structures in wet areas as building board. Product applications are specified in the web site [www.tulppa.fi](http://www.tulppa.fi) .
4. **Name, registered trade name and contact address of the manufacturer:**

Finnfoam Oy (0689386-6)  
Satamakatu 5  
24100 Salo, Finland  
Tel. +358 2 777 300  
Fax: +358 2 777 3020  
Email: [finnfoam@finnfoam.fi](mailto:finnfoam@finnfoam.fi)

5. **System of attestation of conformity:** AVCP 2+
6. **Declaration of performance concerning a construction product for which a European Technical Assessment has been issued:**

VTT Expert services (NB.0809) issued European Technical Assessment ETA-13/0820, on the basis of Etag 022 part 3, after performed product plant and internal factory production control initial inspection under system 2+ and issued factory production control certificate of conformity no.0809-CPD-0809.

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9. Declared performance:

Essential characteristics	Performance	European Technical Assessment
Reaction to fire	F	Etag 022-3
Release of dangerous substances	No releases/M1	
Water vapour transmission Kg/(msPa)	XPS core: $\leq 1,5 \times 10^{-12}$ Board joints without adhesive: $\leq 6 \times 10^{-9}$	
Moisture resistance	Tulppa 50mm: $31 \times 10^{-12}$ Kg/(m <sup>2</sup> s Pa)	
Water tightness (board)	Water tight	
Crack bridging ability	NPD	
Bond strength	<b>ARDEX X 77:</b> Category 1 $\geq 0,2$ MPa <b>Casco Multifix Superflex 4142:</b> Category 2 $\geq 0,3$ MPa <b>Schönox SEK 4144:</b> Category 2 $\geq 0,3$ MPa <b>Kiilto superfix DF</b> Category 1 $\geq 0,2$ MPa <b>Kiilto highflex S2 DF</b> Category 1 $\geq 0,2$ MPa <b>Weber.vetonit RF</b> Category 1 $\geq 0,2$ MPa	
Joint bridging ability <b>Ardex CA 20 P</b> <b>Sikaflex AT-connection</b> <b>Casco Aquaseal</b>	Category 2: Water tight	
Watertightness around penetrations <b>Ardex 8+9</b> <b>Ardex S 1-K</b> <b>Casco Aquastop</b> <b>Weber.Vetonit WP</b>	Category 2: Water tight	
Thermal conductivity $\lambda_D$	0,035 W/mK	
Resistance to temperature	<b>Bond strength:</b> <b>ARDEX X 77:</b> Category 1 $\geq 0,2$ MPa	

	<b>Casco Multifix Superflex 4142:</b> Category 2 $\geq$ 0,3 MPa <b>Schönox SEK 4144:</b> Category 2 $\geq$ 0,3 MPa <b>Kiilto Superfix DF</b> Category 1 $\geq$ 0,2 MPa <b>Kiilto Highflex S2 DF</b> Category 2 $\geq$ 0,3 MPa <b>Weber.Vetonit RF</b> Category 2 $\geq$ 0,3 MPa <b>Bending strength:</b> Change after heat ageing $\leq$ 20 %	
Resistance to water	Pass	
Resistance to water	<b>Bond strength:</b> <b>ARDEX X 77:</b> Category 1 $\geq$ 0,2MPa <b>Casco Multifix Superflex 4142:</b> Category 2 $\geq$ 0,3 MPa <b>Schönox SEK 4144:</b> Category 2 $\geq$ 0,3 MPa <b>Kiilto Superfix DF</b> Category 1 $\geq$ 0,2 MPa <b>Kiilto Highflex S2 DF</b> Category 1 $\geq$ 0,2 MPa <b>Weber.Vetonit RF</b> Category 1 $\geq$ 0,2 MPa	Etag 022-3
Resistance to alkalinity	<b>Tulppa –board</b> Category 2 $\geq$ 0,2 MPa	
Repairability	Repairable	
Thickness	50 mm	

Safety data sheet: [www.tulppa.fi/kayttoturvallisuustiedote](http://www.tulppa.fi/kayttoturvallisuustiedote)

Signed for and on behalf of the manufacturer

Henri Nieminen, CEO

Salo 4.1.2016



(Signature)

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