

DECLARATION OF PERFORMANCE

Nro. 095-FF-2016-01-04

1. **Unique identification code of the product-type:** Tulppa wetroom board -30mm
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 .
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

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 30mm: 53×10^{-12} Kg/(m ² s Pa)	
Water tightness (board)	Water tight	
Crack bridging ability	NPD	
Bond strength	ARDEX X 77: Category 1 $\geq 0,2$ MPa Casco Multifix Superflex 4142: Category 2 $\geq 0,3$ MPa Schönox SEK 4144: Category 2 $\geq 0,3$ MPa Kiilto superfix DF Category 1 $\geq 0,2$ MPa Kiilto highflex S2 DF Category 1 $\geq 0,2$ MPa Weber.vetonit RF Category 1 $\geq 0,2$ MPa	
Joint bridging ability Ardex CA 20 P Sikaflex AT-connection Casco Aquaseal	Category 2: Water tight	
Watertightness around penetrations Ardex 8+9 Ardex S 1-K Casco Aquastop Weber.Vetonit WP	Category 2: Water tight	
Thermal conductivity λ_D	0,033 W/mK	
Resistance to temperature	Bond strength: ARDEX X 77: Category 1 $\geq 0,2$ MPa	

	Casco Multiflex Superflex 4142: Category 2 $\geq 0,3$ MPa Schönox SEK 4144: Category 2 $\geq 0,3$ MPa Kiilto Superfix DF Category 1 $\geq 0,2$ MPa Kiilto Highflex S2 DF Category 2 $\geq 0,3$ MPa Weber.Vetonit RF Category 2 $\geq 0,3$ MPa Bending strength: Change after heat ageing ≤ 20 %	
Resistance to water	Pass	
Resistance to water	Bond strength: ARDEX X 77: Category 1 $\geq 0,2$ MPa Casco Multiflex Superflex 4142: Category 2 $\geq 0,3$ MPa Schönox SEK 4144: Category 2 $\geq 0,3$ MPa Kiilto Superfix DF Category 1 $\geq 0,2$ MPa Kiilto Highflex S2 DF Category 1 $\geq 0,2$ MPa Weber.Vetonit RF Category 1 $\geq 0,2$ MPa	Etag 022-3
Resistance to alkalinity	Tulppa –board Category 2 $\geq 0,2$ MPa	
Repairability	Repairable	
Thickness	30 mm	

Safety data sheet: www.tulppa.fi/kayttoturvallisuustiedote

Signed for and on behalf of the manufacturer by:

Henri Nieminen, CEO

Salo 4.1.2016



(Signature)

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