

Teknos Oy  
P.o.Box.107  
00371 Helsinki

Replaces Customer report VTT-CR-01512-20

The following coating system for concrete constructions has been tested by VTT (Technical research centre of Finland) according to the following instructions and standards:

- STUK-YTO-TR-210 - 2017. *Requirements for coatings of nuclear power plant containments.*
- ASTM D 3911 - 16, 2016. *Standard test method for evaluating coatings used in light-water nuclear power plants at simulated design basis accident (DBA) conditions.*
- ASTM D 4082 - 10, 2010. *Standard test method for effects of gamma radiation on coatings for use in nuclear power plants. \**
- ISO 8690, 1988. *Decontamination of radioactively contaminated surfaces - Method of testing and assessing the ease of decontamination.*

<b>Coating system</b>	TEKNOFLOOR AQUA 110F A,	3 x 60 µm
	<i>Total DFT</i>	<i>180 µm</i>
<b>Manufacturer</b>	Teknos Oy	

According to test results, this coating system fulfils the requirements given in 2017 by Radiation and Nuclear Safety authority of Finland (STUK) for Radiation (gamma) and DBA-resistance and Ease of decontamination. Full experimental details have been given in report VTT-R-00256-20.

*\*) The total accumulated dose was  $1 \times 10^8$  rads (=  $1 \times 10^6$  J/kg =  $1 \times 10^6$  Gy) and the dose rates were greater than the regulator required.*

Espoo, 5.5.2021

DocuSigned by:  
  
 7CB4882A118A42C...  
 Pasi Väisänen  
 Engineer

DocuSigned by:  
  
 4419E54C702A444...  
 Sami Penttilä  
 Research Team Leader

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#### VTT TECHNICAL RESEARCH CENTRE OF FINLAND LTD

Tekniikantie 21, Espoo  
P.O. Box 1000, FI-02044 VTT, FINLAND

Tel. +358 20 722 111  
Fax +358 20 722 7001

name.surname@vtt.fi  
www.vttresearch.com  
Business ID 2647375-4