

SK – DECLARATION OF PERFORMANCE

No 1/2018



1. Product name: Thermal and acoustic insulation products made of recycled blend of STERED synthetic materials bonded with a one-component expanding polyurethane adhesive

2. Type: STERED ID boards (STERED ID 200, STERED ID 250, STERED ID 300)

The basic product of recycled blend STERED --a fiber blend of synthetic materials bonded with one-component expanding polyurethane adhesive.

3. The product parameters are in accordance with the provisions of Act no. 133/2013 Z.z. on construction products and on amendments to certain acts, as amended by Act No. 91/2016 Coll., If installed in accordance with the assembly instructions according to the technical sheet.

4. SK technical assessment was carried out by an authorized person Technical and Testing Institute of Construction, n.o. Bratislava with subsequent issue of SK Technical Assessment SK TP - 18/0017 - 02 for the product STERED ID Thermal and acoustic insulation boards made of recycled mixture of synthetic materials bonded with polyurethane adhesive for buildings, dated May 9, 2018

5. Application: Thermal and acoustic insulation of internal and external vertical and horizontal building structures, retention component in the composition of water-retaining and water-vapor areas and similar applications

6. Manufacturer: PR Krajné s.r.o. 916 16 Krajné, no. 874 Slovak Republic

7. Place of production: PR Krajné s.r.o., 916 16 Krajné, no. 874 Slovak Republic

8. Authorized representative: Ing. Juraj Plesník, Managing Director

9. The manufacturer declares that the product is in compliance with the declared parameters proven by the system "3" according to the Decree of the Ministry of Industry and Trade of the Slovak Republic no. 162/2013 Z.z.

10. The designation of the documents and the names of the authorized persons issuing them are given in the table.

11. Declared parameters - Within the type tests, the following have been verified:

Vlastnosť		Deklarovaná hodnota	Číslo protokolu o skúške a odkaz na laboratórium
Fire reaction (AO) ¹⁾		E	FIRES-RF-129-12-AUNUS FIRES- RF-008-13-AUNS FIRES Batizovce ²⁾
Release of pollutants into the environment - hygienic and toxicological assessment		the product is from the hygienic-toxicological point of view in compliance with generally binding legal regulations for chemicals and preparations and meets the requirements for distribution and use.	SZU, laboratórium toxikologického skrínungu ⁵⁾
Short-term partial immersion (AO)		max. 20,0 kg/m ²	40-18-0090, 40-18-0091, 40-18-0092 ¹⁾
Long-term partial immersion (AO))		max.25,0 kg/m ²	40-18-0090, 40-18-0092, 40-12-0657
Water vapor permeability - diffusion resistance factor		max.4 (-)	TSÚS skúšobné pracovisko (ďalej SP) Nitra ¹⁾
Sound absorption	STERED ID 200	A4 ($\alpha_w=0,90$ $DL_\alpha=13$ dB NRC=0,80)	320/12 CSI SP Zlín ³⁾
	STERED ID 250	A3 ($\alpha_w=0,90$ $DL_\alpha= 9$ dB NRC=0,85)	
	STERED ID 300	A2 ($\alpha_w=0,85$ $DL_\alpha= 7$ dB NRC=0,90)	
Dimensions	allowable length deviation	max. ± 5 mm	40-18-0090, 40-18-0091, 40-18-0092 ¹⁾ TSÚS SP Nitra ¹⁾
	allowable width tolerance	max. ± 5 mm	
	allowable thickness tolerance	max. ± 5 mm	
squareness		max. ± 5 mm/m	
flatness		max. ± 6 mm	

Dimensional stability under specified conditions	permissible thickness change	$\pm 4\%$	40-18-0090, 40-18-0091, 40-18-0092 ¹⁾ TSÚS SP Nitra ¹⁾
	Allowable change in length and width	$\pm 1\%$	
Compressive stress at 10% compression		min. 15 kPa	
Deformation at defined pressure and temperature		max. 22 %	
Tensile strength perpendicular to the plane	STERED ID 200	min. 20 kPa	
	STERED ID 250	min. 20 kPa	
	STERED ID 300	min. 20 kPa	
Thermal conductivity - thermal conductivity coefficient	STERED ID 200	0,054 W/(m.K)	
	STERED ID 250	0,061 W/(m.K)	
	STERED ID 300	0,077 W/(m.K)	
Compressibility	STERED ID 200	max. 5 mm	
	STERED ID 250	max. 5 mm	
	STERED ID 300	max. 5 mm	
Frost and thaw resistance after 300 cycles at 10% compression	STERED ID 200	average change in behavior humid 42% - dry 37%	40-13-0370, 40-13-0371, 40-13-0372 TSÚS SP Nitra ¹⁾
	STERED ID 250	average change in behavior humid 54% - dry 31 %	
	STERED ID 300	average change in behavior humid 50% - dry 29 %	
Contact with human skin	STERED fiber mixture	general product safety and health in contact with the skin suits	Certifikát č. 00007/118/1/2016 ⁴⁾ VÚCHV, a.s. Svit
Extractable heavy metals, formaldehyde	STERED fiber mixture	suits	
PH aqueous extract	STERED fiber mixture	7,67 \pm 0,05	
Longevity	STERED fiber mixture	Longevity is declared without excessive light access (25 years or more)	Charakteristika vlákien zmesi STERED - odborná štúdia ⁴⁾ VÚCHV, a.s. Svit

Names and addresses of authorized laboratories carrying out the tests:

- 1) Technický a skúšobný ústav stavebný, n.o., akreditované laboratórium S-045, skúšobné pracovisko Nitra, Braneckého 2, 949 01 Nitra, Slovenská republika
- 2) FIRES s.r.o., akreditované skúšobné laboratórium 041/S-159, Osloboditeľov 282, 059 35 Batizovce
- 3) Centrum stavebního inžinýrství a.s., pracovisko Zlín - akreditované skúšobné laboratórium otvorových výplní, stavebnej tepelnej techniky a akustiky
- 4) Výskumný ústav chemických vlákien, a.s. Štúrova 2, 059 21 Svit, certifikačný orgán certifikujúci výrobky SNAS Reg.No.012/P-006
- 5) Slovenská zdravotnícka univerzita, Limbová 12, 833 03 Bratislava 37, laboratórium toxikologického skríningu

Product subtype density:

STERED ID 200_200 kg/m³ \pm 10% STERED ID 250_250 kg/m³ \pm 10% STERED ID 300_300 kg/m³ \pm 10%

Dimensions:

length	1 200 mm	500, 1200 mm	500, 1 200 mm
width	600 mm	500, 600 mm	500, 600 mm
thickness	50, 80 mm	50 80 mm	50, 80 mm

11. The manufacturer declares that the product defined 1 and 2 has the parameters of essential properties according to point 10.
12. This EN Declaration of Performance is issued under the sole responsibility of the manufacturer referred to in point 6.
13. The manufacturer declares that within the scope of EC Regulation no. 1907/2006 is called. "Downstream user". The manufacturer is neither a manufacturer nor an importer of substances used in articles.
14. In the formulations of the product, it has been confirmed by the suppliers of raw materials that a registration has been made for chemicals according to the REACH Regulation (1907/2006 of the Regulation).
15. 1907/2006 The manufacturer declares that its products supplied by the company do not contain substances listed in the "Candidate List of SVHC Substances of Very High Concern", published on the website of the European Chemical Agency - updated on the date of this declaration.

Name : Ing. Juraj Plesník
Function: Managing Director
Krajné, 05/16/2018

signature

