

Declaration of performance 1/2023

1. Name and trade name of the product

Acrylic Solid Surface Grandex / Tristone

2. Product type designation

Grandex 6, 10, 12mm Lion Chemtech , Tristone 6, 10, 12mm Lion Chemtech

3. Intended use

For horizontal and vertical cladding

4. Name and address of the manufacturer's registered office

Lion Chemtech Ltd. 36 Daedeok-daero 1277beon-gil, Munpyeong -dong, Daedeok-gu , Daejeon

5. Name and address of the authorized representative

Architype Sp. z o. o., ul. Grójecka 43/1a, 02-031 Warszawa

6. National system used to assess and verify constancy of performance

System 3, no harmonized standard

7. National technical specification

National Technical Assessment: IT-KOT-2022/2289

8. Declared performance properties:

Characteristics	Performance properties			Test Method
	6mm	10mm	12mm	
Density, g/cm ³		1.76		EN ISO 1183-1:2019
Water absorption, %		≤ 0.1		EN ISO 62:2008
Change of linear dimensions when changing relative air humidity, %		±0.1		ISO 4586-2:2015
Impact strength determined by the Charpy method (average of two directions), kJ /m ²		≥ 3.6		EN ISO 179-1:2010
Bending strength (average of two directions), Mpa		≥ 66		EN ISO 178:2011
Bending modulus (average of two directions), Mpa		≥ 10,500		
Resistance to impact with a hard body, at + 23°C	no damage at 1 J energy		no damage at 6 J energy	EN 13245-1:2013
Water vapor permeability determined by the water vapor diffusion resistance coefficient, average value μ		22800		EN ISO 12572:2004
Resistance to aging in artificial conditions, with a total irradiation energy of 590MJ/m ² , assessed color change, ΔE* _{a b}		≤ 1		EN ISO 4892-2:2013 ISO 7724-2:2003 ISO 7724-3:2003

Resistance to staining with red wine, olive oil, disinfectant, cleaning agent	0 (unchanged)		EN ISO 26987:2012
Classification regarding reaction to fire	C-s1,d0	B-s1,d0	EN 13501-1:2019
Emission of volatile organic compounds (VOC) - time necessary to reach permissible concentrations of substances harmful to health, days	≤28		EN 16516:2017 EN ISO 16000-9:2009 ISO 16000-3:2011 ISO 16000-6:2011

9. The functional properties of the product specified above are consistent with all those listed in point. 8 declared performance properties.

This declaration of performance is issued in accordance with the Act of 16 April 2014 on construction products, under sole responsibility producer's.

Authorized representative:

Mykola Mohylnyi

Warsaw 03/11/2023

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