



# Declaration of Performance



(DOP No. FLOKSERCPR-001)

- 1. Product type:** Products used for polyurea coating systems
- 2. Product identification:** Brand: FLOKSER-Products used for polyurea coating systems
- 3. Standard/Directive:** EN 1504-2 : 2004: Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 2: Surface protection systems for concrete  
305/2011/EU Construction Product Regulation(CPR)
- 4. Intended use:** FLOKSER-These products are used for polyurea coating systems for the protection and repair of concrete structures
- 5. Manufacturer:** Flokser Tekstil San. ve Tic. A.Ş.  
Hadımköy Mahallesi Ürgüplü Caddesi No:7 34555  
Arnavutköy / İSTANBUL / TÜRKİYE
- 6. Notified certification body:** No certification body(EN 1504-2, Annex ZA, System 4)
- 7. System of assessment of performance:** System 4(EN 1504-2, Annex ZA, System 4)

**Flokser Tekstil San. ve Tic. A.Ş.**


Hadımköy Mahallesi Ürgüplü Caddesi No:7 34555, Arnavutköy / İSTANBUL / TÜRKİYE

**8. Declared performance(According to EN 1504-2 Annex ZA, Table Za.3f)**

Characteristics	Performance	Standard
Linear shrinkage	$\leq \% 0,3$	EN 12617- 1
Compressive strength	Class II: $\geq 50$ N/mm <sup>2</sup> (For Steel Wheel)	EN 12190
Coefficient of thermal expansion	$\alpha_T \leq 30 \times 10^{-6} K^{-1}$	EN 1770
Abrasion resistance	Weight loss is less than 3000 mg, H22 abrasive wheels / 1000 tour turns / 1000 g load	EN ISO 5470- 1
Adhesion by cross-cut test	Cross cutting value: $\leq$ GT 2	EN ISO 2409
Permeability to CO <sub>2</sub>	CO <sub>2</sub> s <sub>D</sub> permeability > 50 m	EN 1062- 6
Water vapour permeability	Class III s <sub>D</sub> > 50 m (Not permeable to water vapor)	EN ISO 7783- 1 EN ISO 7783- 2
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$	EN 1062- 3
Thermal compatibility	Is compatible. No problem was observed.	EN 13687-1,2,3
Resistance to thermal shock	No problem was observed.	EN 13687-5
Chemical resistance	After 30 days of exposure, there should be no visual defects.	EN ISO 2812-1
Crack bridging ability	Static: > 1250 $\mu$ m at +23°C, class A4 Dynamic: class B3.1 at -20°C	EN 1062-7
Adhesion strength by pull-off test	$\geq 1,5$ [N/mm <sup>2</sup> ]	EN 1542
Reaction to fire	NPD	EN 13501- 1
Slip / skid resistance	Class III:> 55 units wet tested	EN 13036- 4
Behaviour after artificial weathering	After 2000 hours of artificial wear: No bubbles According to EN ISO 4628-2 No cracks According to EN ISO 4628-4 No exclusion According to EN ISO 4628-5	EN 1062- 11
Antistatic behaviour	NPD	EN 1081
Adhesion on wet concrete	After installing: No bubbles According to EN ISO 4628-2 No cracks According to EN ISO 4628-4 No exclusion According to EN ISO 4628-5	EN 13578
Dangerous substances	According 5.3	EN 1504-2

NPD: No Performance Determined

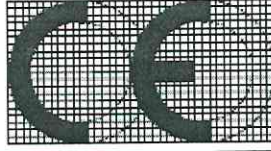
The performance of the delivered product is compliant with the declared performance above. The manufacturer bears sole responsibility for the issuance of this declaration of performance.

General Manager <b>BAŞAR YILDIZ</b>	18.04.2019	Signature/Approval  <b>FLOKSER</b> <b>TEKSTİL SAN. VE TİC. A.Ş.</b> Hadımköy Mah. Ürgüplü Cad. No:7 Arnavutköy, İSTANBUL B Mükellefler V.D. 388 003 6774
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**Flokser Tekstil San. ve Tic. A.Ş.**

Hadımköy Mahallesi Ürgüplü Caddesi No:7 34555, Arnavutköy / İSTANBUL / TÜRKİYE

# CE LABELING



## FLOKSER

Flokser Tekstil San. ve Tic. A.Ş.

Hadımköy Mahallesi Ürgüplü Caddesi No:7 34555, Arnavutköy / İSTANBUL / TÜRKİYE  
19(2019)

EN 1504-2:2004

Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 2: Surface protection systems for concrete  
**Characteristics** **Performance**

Linear shrinkage	≤ % 0,3
Compressive strength	Class II: ≥ 50 N/mm <sup>2</sup> (For Steel Wheel)
Coefficient of thermal expansion	$\alpha_T \leq 30 \times 10^{-6} K^{-1}$
Abrasion resistance	Weight loss is less than 3000 mg, H22 abrasive wheels / 1000 tour turns / 1000 g load
Adhesion by cross-cut test	Cross cutting value: ≤ GT 2
Permeability to CO <sub>2</sub>	CO <sub>2</sub> s <sub>D</sub> permeability > 50 m
Water vapour permeability	Class III s <sub>D</sub> > 50 m (Not permeable to water vapor)
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Thermal compatibility	Is compatible. No problem was observed.
Resistance to thermal shock	No problem was observed.
Chemical resistance	After 30 days of exposure, there should be no visual defects.
Crack bridging ability	Static: > 1250µm at +23°C, class A4 Dynamic: class B3.1 at -20°C
Adhesion strength by pull-off test	≥ 1,5 [N/mm <sup>2</sup> ]
Reaction to fire	NPD
Slip / skid resistance	Class III: > 55 units wet tested
Behaviour after artificial weathering	After 2000 hours of artificial wear: No bubbles According to EN ISO 4628-2 No cracks According to EN ISO 4628-4 No exclusion According to EN ISO 4628-5
Antistatic behaviour	NPD
Adhesion on wet concrete	After installing: No bubbles According to EN ISO 4628-2 No cracks According to EN ISO 4628-4 No exclusion According to EN ISO 4628-5
Dangerous substances	According 5.3

NPD: No Performance Determined



## TECHNICAL REVIEW

**We hereby declare, Manufacturer, Distributor/EU Representative:**

**FLOKSER TEKSTİL SANAYİ VE TİCARET A.Ş.**

HADIMKÖY MAHALLESİ, ÜRGÜPLÜ CADDESİ, NO:7, 34555 ARNAVUTKÖY/İSTANBUL/TURKEY

that the following described product in our delivered version complies with appropriate basic safety and health requirements based on **Construction Products Regulation 305/2011/EU** on its design and type, as brought into circulation by us. In Case of alteration of the product, not agreed upon by us, this declaration will lose its validity.

Description Of The Product/Product Part	: Polyurea Products Used in Surface Protection Systems For Concrete
Product Commercial Brand	: FLOKSER
Applicable EC Directives	: 305/2011/EU And EN 1504-2:2004
Applicable Harmonised Standards	: 98/83/EC, EN 12390-8, EN 12617-1, EN 12190, EN 1770, EN ISO 5470-1, EN ISO 2409, EN 1062-6, EN ISO 7783-1, EN ISO 7783-2, EN 1062-3, EN 13687-1,2,3, EN 13687-5, EN ISO 2812-1, EN 1062-7, EN 1542, EN 13501-1, EN 13036-4, EN 1062-11, EN 1081, EN 13578, EN 1504-2
Applicable National Technical Standards and Specifications	
Classifications	: CLASS-I
Certificate Number	: 19041802321
Certificate Code	: FLOKSER
Certificate Issue Date	: 18.04.2019
Certificate Validity Date	: 18.04.2020
EU Representative (Authorized Signature and Title)	



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