

**DECLARATION OF PERFORMANCE (acc. EU 305/2011, Annex V)
No 01-0004-02**

1. Unique identification code of the product-type: **STEICOisorel plus WF-EN13171-T5-CS(10Y)70-TR7,5-WS1,0**
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR : **see product label**
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: **Thermal insulation for buildings**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): **STEICO SE, Otto-Lilienthal-Ring 30, D-85622 Feldkirchen, email: info@steico.com**
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): **not relevant**
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: **AVCP 3**
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:
Notified certification body No. 0432 MPA Nordrhein-Westfalen performed the determination of the product type on basis of type testing and type calculation
8. Declared performance

Table 1

Essential characteristics		Performance	Harmonised technical specification
Reaction to fire	4.2.6 Reaction to fire	Class E	EN 13171:2012
Release of dangerous substances to the indoor environment	4.3.15 Release of dangerous substances	NPD	
Acoustic absorption index	4.3.12 Sound absorption	NPD	
Impact noise transmission index (for floors)	4.3.10 Dynamic stiffness	NPD	
	4.3.11.1 Thickness dL	NPD	
	4.3.11.3 Compressibility	NPD	
	4.3.13 Air flow resistivity	NPD	
Direct airborne sound insulation index	4.3.13 Air flow resistivity	NPD	
Continuous Glowing combustion	4.3.17 Continuous glowing combustion	NPD	
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Thermal resistance see table 2 λ_D 0,042 W/(m*K)	
	4.2.3 Thickness	See product label	
	4.2.3 Thickness Class	T5	
Water permeability	4.3.8 Short term water absorption	WS1,0	
Water vapour permeability	4.3.9 Water vapour transmission	NPD	

Table 1 (continued)


Essential characteristics		Performance	Harmonised technical specification
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10\Y)70	EN 13171:2012
	4.3.6 Point load	NPD	
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	NPD	
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Thermal resistance see table 2 $\lambda_D 0,042 \text{ W/(m}^*\text{K)}$	
	4.2.7 Durability characteristics	NPD	
	4.3.2 Dimensional stability	NPD	
	4.3.2.2 Dimensional stability under specific temperature	NPD	
Tensile/Flexural strength	4.3.2.2 Dimensional stability under specific temperature and moisture	NPD	
	4.3.4 Tensile strength perpendicular to faces	TR7,5	
	4.3.5 Tensile strength parallel to faces	NPD	
	Durability of compressive strength against ageing/degradation	4.3.7 Compressive creep	NPD

Table 2

Thickness d [mm]	20	40	60	80
Thermal resistance $R_D [(m^2K)/W]$	0,45	0,95	1,40	1,90
Thickness d [mm]	100	120	140	160
Thermal resistance $R_D [(m^2K)/W]$	2,35	2,85	3,30	3,80

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Dr. Michael Makas Head of R&D/QM (name and function)	Feldkirchen, 02/09/2013 (place and date of issue)	b.o. (signature) 
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Date: 18/06/2013	Revised: 02/09/2013
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