

DECLARATION OF PERFORMANCE

NO. 14315-1/EXY 34 HFO/2023/V0

EXY 34[®]
spray system
HFO



1. Unique identification code of the product:	EXY 34 HFO
2. Intended use:	Thermal insulation product for building – In-situ sprayed polyurethane foam
3. Manufacturer:	HONTER Company s.r.o., Na strži 2102/61a, Praha 4 – 140 00, Czech Republic
4. Authorized representative:	not relevant
5. Systems of AVCP:	For the use with regard to reaction to fire regulation – system 3 Any use – system 3
6. Harmonised standard: EN 14315-1:2013	Notified Body: 1020 Report on assessment No. 1020-CPR-020048226 Technical and Test Institute for Construction Prague, SOE, Prosecká 811/76a, 190 00 Praha 9 – Prosek, Czech Republic

7. Declared performances:

Table No. 1:

Characteristic	Harmonised standard	Declared level/class
Thickness	EN 14315-1:2013	± 5 %
Initial value of thermal conductivity at 10°C*		$\lambda_{Di} = 0.023 \text{ W/m.K}$
Declared coefficient of thermal conductivity after aging (λ_p)* according to Annex J of the EN 14315-1:2013 standard and at a temperature of 10°C		Thickness $\geq 120 \text{ mm}$ 0,026 W/m.K
Reaction to fire		Class E
Reaction profile at 21°		NPD
Core free-rise density		(35±5) kg/m ³
Stability of reaction to fire during aging/degradation		The reaction to fire does not decrease with time according to Cl. 4.2.5.2 EN 14315-1
Stability of thermal resistance during aging/degradation		NPD
Compressive strength stability during aging/degradation		NPD
Closed cell content		CCC4 ($\geq 90 \%$)
Water vapor diffusion -water vapor diffusion factor		$\mu \leq 64$
Short-term water absorption by partial immersion		$W_p \leq 0,2 \text{ kg/m}^2$
Compressive stress at 10% strain		$\geq 150 \text{ kPa} - \text{CS}(10\backslash Y)150$
Compressive creep		NPD
Sound absorption - weighted sound absorption coefficient		NPD
Dangerous substances – emission VOC (EN ISO 16000-10)		Meets the requirement for the emission of VOC
Adhesion to the substrate perpendicular to the surfaces		NPD
Reaction to fire in standard assemblies simulating end use		NPD
Deformation under specified compressive load and temperature conditions Loading: 20 kPa; Temperature: (80±1)°C Time: (48±1)hod		NPD
Dimensional stability (70±2)°C a RH (90±5)°C		NPD
Dimensional stability (-20±3)°C	NPD	

Note: NPD = No performance determined.

Designation code: PU EN 14315-1- CCC4-CS(10\Y)150-MU64-W0,2

Note: *Declared values were determined on the basis of measurements carried out by the Notified Body and internal measurements - on samples prepared under standard laboratory conditions. Parameters may vary depending on the substrate and application technique.

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Table No. 2:

Thickness [mm]	Declared thermal conductivity coefficient after ageing (λ_D) according to Annex J of EN 14315-1:2013 [W/m.K]	Thermal resistance level (R_D) after ageing [m ² .K/W]
30	0,028	1,10
35	0,028	1,25
40	0,028	1,40
45	0,028	1,60
50	0,028	1,80
55	0,028	2,00
60	0,028	2,10
65	0,028	2,30
70	0,028	2,50
75	0,028	2,70
80	0,027	3,00
85	0,027	3,15
90	0,027	3,30
95	0,027	3,50
100	0,027	3,70
105	0,027	3,90
110	0,027	4,10
115	0,027	4,30
120	0,026	4,60
125	0,026	4,80
130	0,026	5,00
135	0,026	5,20
140	0,026	5,40
145	0,026	5,60
150	0,026	5,80
155	0,026	6,00
160	0,026	6,15
165	0,026	6,35
170	0,026	6,50
175	0,026	6,70
180	0,026	6,90
185	0,026	7,10
190	0,026	7,30
195	0,026	7,50
200	0,026	7,70

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

In Prague, 30.06.2023

Jan Černý, CEO of Honter Company s.r.o.

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