



KOPOS KOLÍN a.s.
Havlíčková 432
CZ - 280 94 Kolín IV

1/Air permeability/21-01

DECLARATION OF CONFORMITY

We, KOPOS KOLÍN a. s.
Havlíčková 432
280 94 Kolín IV
Czech republic

declare under our sole responsibility that

Product: **Two-component electrical box**

Type: **KPL 64-40/LD, KPL 64-50/LD, KPL 64-40/2LD, KU 68 LD/1, KU 68 LD/2, KUL 68-45/LD, KUL 68-45/LD2, KP 64/LD. KPL 64-50/2LD, KPL 64-50/3LD, KPRL 64-60/LD, KPRL 68-70/LD, KU 68LD, KU 68LD/1 HF, KP 64/LD, KP 64/LD HF**

Manufacturer: **KOPOS KOLÍN a.s.. Havlíčkova 432, 280 94 Kolín IV, Czech Republic**

Was tested according to:

ČSN EN ISO 9972:2016 Thermal performance of buildings - Determination of air permeability of buildings - Pressure method

TP-KO-03/2012 Test of air permeability of two-component boxes

Complementary information: EZÚ test protocol No. **702259-01/01** of **21.8.2017**

EZÚ test protocol No. **202728-01/01** of **14.8. 2012**

issued by Elektrotechnický zkušební ústav, Pod Lisem 129, 171 02 Praha 8, Czech Republic

Test result:

Measured values for wiring box KPL 64-40/LD

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h ⁻¹)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,167	0,163	0,034	0,030
	1	0,171	0,165	0,035	0,032
	2	0,174	0,172	0,037	0,035
	4	-	-	-	-

Measured values for wiring box KPL 64-50/LD

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h ⁻¹)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,216	0,212	0,013	0,010
	1	0,217	0,214	0,013	0,015
	2	0,221	0,226	0,013	0,015
	4	-	-	-	-



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Measured values for wiring box KPL 64-40/2LD

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h ⁻¹)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,363	0,348	0,013	0,017
	1	0,363	0,352	0,019	0,017
	2	0,370	0,368	0,020	0,020
	4	0,391	0,377	0,023	0,021

Measured values for wiring box KU 68 LD/1

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h ⁻¹)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,086	0,084	0,032	0,033
	1	0,086	0,086	0,034	0,035
	2	0,089	0,088	0,035	0,035
	4	0,093	0,093	0,038	0,037

Measured values for wiring box KU 68 LD/2

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h ⁻¹)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,136	0,111	0,011	0,016
	1	0,140	0,114	0,013	0,018
	2	0,142	0,121	0,014	0,019
	4	0,146	0,129	0,015	0,020

Measured values for wiring box KUL 68-45/LD

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h ⁻¹)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,088	0,093	0,015	0,018
	1	0,102	0,099	0,019	0,019
	2	0,107	0,100	0,019	0,021
	4	0,109	0,102	0,022	0,023

Measured values for wiring box KUL 68-45/LD2

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h ⁻¹)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,057	0,052	0,023	0,024
	1	0,060	0,054	0,025	0,024
	2	0,061	0,068	0,027	0,031
	4	0,065	0,070	0,034	0,035



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Measured values for wiring box KP 64/LD

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h-1)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,063	0,071	0,027	0,034
	1	0,070	0,072	0,035	0,037
	2	0,075	0,073	0,036	0,038
	4	0,081	0,092	0,047	0,038

Measured values for wiring box KPL 64-50/2LD

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h-1)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,168	0,179	0,014	0,018
	1	0,183	0,186	0,019	0,019
	2	0,190	0,188	0,020	0,024
	4	0,197	0,190	0,023	0,024

Measured values for wiring box KPL 64-50/3LD

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h-1)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,359	0,363	0,045	0,042
	1	0,364	0,370	0,045	0,044
	2	0,368	0,373	0,045	0,045
	4	0,370	0,375	0,046	0,047

Measured values for wiring box KPRL 64-60/LD

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h-1)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,057	0,068	0,024	0,024
	1	0,072	0,071	0,030	0,025
	2	0,074	0,076	0,032	0,031
	4	0,083	0,081	0,032	0,034



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Measured values for wiring box KPRL 68-70/LD

Differential pressure Δp_l	Passage cables membranes	Air flow in a single box V (m ³ . h ⁻¹)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	0	0,099	0,118	0,031	0,019
	1	0,103	0,125	0,033	0,036
	2	0,107	0,138	0,034	0,039
	4	0,111	0,146	0,039	0,040

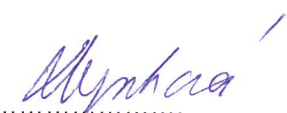
Measured values for wiring box KU 68LD, KU 68LD/1 HF, KP 64/LD, KP 64/LD HF

Differential pressure Δp_l	Passage cables membranes	Average air flow in a single box V (m ³ . h ⁻¹)			
		Oriented strand board		Gypsum board	
		overpressure	pressure	overpressure	pressure
50 Pa	Without cables	0,061	0,062	0,013	0,011
	1 loop	0,061	0,064	0,013	0,011
	2 loops	-	0,065	-	0,012
	4 loops	-	0,065	-	0,012

Based on the test results are boxes KPL 64-40/LD, KPL 64-50/LD, KPL 64-40/2LD, KU 68 LD/1, KU 68 LD/2, KUL 68-45/LD, KUL 68-45/LD2, KP 64/LD, KPL 64-50/2LD, KPL 64-50/3LD, KPRL 64-60/LD, KPRL 68-70/LD, KU 68LD, KU 68LD/1 HF, KP 64/LD, KP 64/LD HF suitable for installation in passive houses and other spaces where are the requirements for air tightness.

The specific air permeability values are directly proportional to the quality of the building material used in which the boxes are mounted and the accuracy of the drilled holes.

Place of issue: Kolín
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KOPOS KOLÍN a.s.
ÚSEK ŘÍZENÍ SYSTÉMU JAKOSTI