



CENTRUM STAVEBNÍHO INŽENÝRSTVÍ a.s.
(Building Engineering Centre, joint-stock company)
Workplace in ZLÍN, K Cihelně 304, 764 32 ZLÍN - Louky

issues to

Applicant: MRB Sazovice, spol. s r.o.
U dubu 691/48, 147 00 Praha 4 - Braník

CERTIFICATE

Of the product characteristic

No. CV – 17 – 749/Z

Product: – MRB fireproof metal door ZK-PO type
– MRB thermo-insulating metal door ZK type

Manufacturer: See Applicant

Description:

Door leaf of total thickness 41 mm, made of hot galvanized sheet metal 0,8 mm thick, consisting of two parts, narrow part – a tub and wider part - a lid; the door is over all the perimeter reinforced with a support frame made of welded closed profiles (20x30x1,5) mm; the lower part is reinforced and closed with an omega profile; adjustable M10 hinges are screwed into square steel nut which are welded to the support frame; doors mounted with Rostex 804 building hardware and cylinder lock FAB 2018; The door infill panel consists of a 3-layer sandwich. The outer and inner layers are made up of 10 mm fermacell, between them is a mineral fiber layer of Rockwool Steprock HD 20 mm thick, the individual layers are bonded together with one-component polyurethane adhesive Emfi; between the tub and the lid is use a thermal break from Promaglaf HTI insulation material; the door is hung in a type K door frame which is sealed into the groove with a silicone gasket along the perimeter; door cavity is filled with polyurethane insulation. The leaf of the thermo-insulating door ZK type is filled with polystyrene.

Result:

Title of tested parameter	Testing method	Result
Thermal transmittance U_{st} - Door ZK-PO type - Door ZK type	ČSN EN 12567-1	1,8 W/(m ² .K) 1,5 W/(m ² .K)

This Certificate proves the conformity of above given product properties with the required standard values:

a) The door ZK-PO type fulfils the standard ČSN 73 0540, part 2 for recommended thermal transmittance for the door mounted between heated and tempered space:

$$U_{st} = U_D = 1,8 \leq U_{rec,20} = 2,3 \text{ W/(m}^2\cdot\text{K)}$$

b) The door ZK type fulfils the standard ČSN 73 0540, part 2 for requirement thermal transmittance for the door mounted between heated space and outdoor environment:

$$U_{st} = U_D = 1,5 \leq U_{N,20} = 1,7 \text{ W/(m}^2\cdot\text{K)}$$

Background documents: Test report No. 9/09. CSI, a.s. Zlín, AO 212

This Certificate applies only for a product which its specification is given in the test report in detail. It certifies only above given properties and neither implies nor substitutes certification in accordance with the Law No. 22/1997 Coll. on technical requirements for products.

Issue date: 17.10.2017
Valid till: 17.10.2019
Elaborated by: Ing. Nizar Al-Hajjar



Ing. Vladan Panovec
Workplace head