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Divize CSI - Centrum stavebního inženýrství

Fire Technical Laboratory

**AUTHORIZED
BODY**

**NOTIFIED
BODY**

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH ČSN EN 13501-1:2019

Applicant: RECUTECH s.r.o.
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Product name: *Plastic counterflow heat exchanger*

**Classification
report No.:** PK-21-099

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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product, *Plastic counterflow heat exchanger*, is defined as a type of heat exchanger for ventilation systems.

Description:

The product *Plastic counterflow heat exchanger* is fully described in the test reports in support of the classification listed in clause 2.

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

Test reports

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
ITC a.s., Divize CSI, Fire technical laboratory	RECUTECH s.r.o.	21/P281	ČSN EN ISO 11925-2

Measured values and test results:

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2 exposition = 15 s surface flame attack	$F_s \leq 150$ mm	6	yes	yes (E)
	ignition of filter paper	6	no	yes (d2)

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

Reference and direct field of application

This classification has been carried out in accordance with the clause 11.3 of ČSN EN 13501-1:2019.

Classification

The product *Plastic counterflow heat exchanger*, in relation to its reaction to fire behaviour is classified:

E

The additional classification in relation to smoke production is:

not classified

The additional classification in relation to flaming droplets/particles is:

not classified

The format of the reaction to fire classification for *Plastic counterflow heat exchanger* is:

Fire behaviour		Smoke production			Flaming droplets	
E	-	s	not classified	,	d	not classified

Reaction to fire classification: E

Field of application:

This classification is valid for the following product parameters:

- Thickness: without limitation

4. LIMITATIONS**Restrictions**

This classification report is valid, provided that the technical specifications of the product will not be changed.

Warning

This document does not represent type approval or certification of the product.

Prepared:



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Reviewed:



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Vít Slaboch
head of laboratory