calculate sheet volume for contaminated extinguishing water (VdS 2557a_en)

Annex to Guidelines for Loss Prevention by the German Insurers
"Planning and Installation of Facilities for Retention of Extinguishing Water" (VdS 2557en)

Reset all values

Date

Object

Company

Street ZIP Code City

Name of the calculation area

Fire compartment area

Building/usage

Structural boundary conditions

Fire compartment area A_B	Please specify	0,0	m²
Number of floors		1	
Actual fire compartment area A_{tat}		0,0	m²

Fire load (select an option)

◉	Determined fire load	Please specify	0,00	kWh/m²
○	Determination of the fire load			
	Factor of utilisation of space (RAF)	Please select value		
	Percentage of combustible matters (ABS)	Please select value		
	Calculated fire load		0,00	kWh/m²
○	Overall fire load approach	Please select value		

Quantity of all liquids with and without water hazard potential

Quantity of liquids M		0,0	m³ bzw. t

Fire protection

Fire Protection concept	Please specify	Please select value

Retention volume for contaminated extinguishing water V

V	= { (	A_{tat}	x	SWL	x	BAF	x	BBF	) +	M	} /	BSF
		0,0		0,24		0,00		0,00		0,0		0,00

V = 0,00 m³

Legend

V [m³]	calculated retention volume for contaminated extinguishing water	BBF	factor of fire load (dimensionless)
A_{tat} [m²]	actual fire compartment area	M [m³]	quantity of all liquids for production, operation, and storage w or w/o WGK class in the respective fire compartment
SWL [m³/m²]	specific water output		
BAF	factor of fire compartment area (dimensionless)	BSF	factor of fire protection (dimensionless)

Disclaimer:
The author reserves the right not to be responsible for the topicality, correctness, completeness or quality of the information provided and the values ascertained.

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