

## Fire resistant modular container BMC 2

The fire compartment for the storage of packaged hazardous substances in accordance with PGS 15 in the Netherlands.

Suitable for both indoor and outdoor installation.

Fire resistant walk-in modular container, type BMC 2 is 60 minutes fire resistant in accordance with PGS 15:2016. The Bumax fire compartments are the only ones in the market to have been integrally assessed and type approved by the independent fire safety laboratory Peutz B.V.



## Specifications

### DIMENSIONS AND WEIGHT

EXTERNAL DIMENSIONS	2.000 x 2.350 x 2.425 mm, L x W x H
INTERNAL DIMENSIONS	1.760 x 2.100 x 2.120 mm, L x W x H
DIMENSIONS SINGLE DOOR	1.300 x 2.000 mm, W x H
COLLECTION VOLUME	500 litres
WEIGHT	1.500 kg
ARTICLE NUMBER	C64-2000-B

### FIRE RESISTANCE & TEST STANDARDS

FIRE RESISTANCE	>60 MINUTES (tested as a cube)
DOUBLE-SIDED FIRE RESISTANT (WBDBO)	REI60
SELF-CLOSING FIRE RESISTANT DOOR	EI160
VENTILATION	EI60
SUPPORTING STRUCTURE	R60
ROOF STRUCTURE	REI60
WALL STRUCTURE	EI60
TEST STANDARDS	EN 1634-1, EN 1364-1, NEN 6069 & EN 13501-2
SUMMARY FIRE RESISTANCE RESEARCH	CA 1426-2-RA-002

### CONSTRUCTION

MATERIAL	WELDED STEEL PROFILES COATED IN RAL 7038 (light grey)
HOISTING FRAME	FULLY INTEGRATED
HOISTING EYES	4
GROUNDING	2 EARTHING CONNECTIONS M10 (earthing of all metal parts on request)
COMPLIANCE	NEN-EN 1090

### FIREPROOF DOOR

IMPLEMENTATION	SELF-CLOSING BY MEANS OF A FUSE
LOCKABLE IN OPEN POSITION	UP TO 92° SECURED BY A STORM CHAIN
SAFETY MEASURES	CAN BE OPENED FROM THE INSIDE AT ANY TIME
LOCKABLE	CYLINDER LOCK WITH 3 KEYS
DOOR FURNITURE	STAINLESS
HINGES	3 INDUSTRIAL HINGES WITH GREASE PORTS
SILL	ANTI-SLIP PROFILE
POSITIONING	FITTED OPTIONALLY IN THE SHORT OR LONG SIDE - FREE OF CHARGE
ROTATION	FITTED OPTIONALLY ON THE LEFT OR RIGHT - FREE OF CHARGE
COMPLIANCE	EN 1634-1, EI160

### WALLS & ROOF

MATERIAL	GALVANIZED STEEL INTERIOR AND EXTERIOR CLADDING WITH NON-COMBUSTIBLE CORE
COATING SYSTEM	COLORCOAT HPS200 ULTRA®
COLOR OUTSIDE	LIGHT GREY, RAL 7038, 200 µm
COLOR INSIDE	WHITE, RAL 9002
WEATHER PROOF ROOF	EQUIPPED WITH RAIN SHEETING AND GUTTERS
ROOF LOAD CAPACITY	MAY NOT BE STACKED OR STORAGE ON THE ROOF
PRESSURE RELIEF	ROOF STRUCTURE GUARANTEES PRESSURE RELIEF IN CASE OF EXPLOSION

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**SUMP TRAY**

MATERIAL	4 mm STEEL PLATE WELDED LEAK-PROOF
TREATMENT	CHEMICAL RESISTANT COATING RAL 7038
FLOOR GRID	REMOVABLE FIRE GALVANIZED GRIDS
GRID SIZE	30 x 30 x 3 mm, L x W x H
LOAD CAPACITY	1.000 kg/m <sup>2</sup>

**VENTILATION GRIDS**

OPERATION	FOAMS UP COMPLETELY IN CASE OF FIRE
PLACEMENT	DIAMETRAL
NUMBER	2
COVER	GALVANIZED SLATTED GRILLES AGAINST VERMIN AND RAIN
COMPLIANCE	EI60

**WARRANTY & DELIVERY TIME**

WARRANTY	12 MONTHS, EXTENDABLE TO 60 MONTHS, ASK FOR THE POSSIBILITIES
DELIVERY TIME	APPROXIMATELY 4 WORKING WEEKS

**IMPORTANT INFORMATION**

PLACEMENT	ON PAVED FLAT LEVEL GROUND
HOISTING	ACCORDING TO HOISTING INSTRUCTIONS, MOUNTED ON THE SIDE WALL
INSPECTION & MAINTANCE	EQUIPPED WITH INSPECTION STICKER, OPTIONAL MULTI-YEAR INSPECTION CONTRACT
GENERAL CONDITIONS	METAALUNIE CONDITIONS

**INCLUDED IN DELIVERY**

PICTOGRAM	SMOKING AND OPEN FIRE PROHIBITED
TYPE DESIGNATION	PROVIDED WITH: COMPANY NAME, REGISTRATION NR., YEAR OF PRODUCTION, FIRE RESISTANT
AEROSOL SPRAY CAN RAL 7038	TO REPAIR SMALL DAMAGES
USER MANUAL	FIRE RESISTANT MODULAR CONTAINER SERIES BMC ACCESSIBLE
SUMMARY FIRE RESISTANCE RESEARCH	CA 1426-2-RA-002

## AVAILABLE OPTIONS

**ELECTRIC**

EXPLOSION PROOF LIGHTING, ZONE II INCLUDING ATEX LIGHT SWITCH
EXPLOSION PROOF VENTILATION, 310 m <sup>3</sup> /h, ZONE I & II, INCLUDING ATEX MOTOR SAFETY SWITCH
EXPLOSION PROOF HEATING, 2.000 W, ZONE II, INCLUDING INTEGRATED THERMOSTAT
EXPLOSION PROOF WALL SOCKET OUTLET, 230V, 3 PINS, ZONE I & II
EXPLOSION PROOF WALL SOCKET OUTLET, 400V, 5 PINS, ZONE I & II, CONNECTED TO A DISTRIBUTION BOARD
DISTRIBUTION BOARD WITH 4 GROUPS AND MAINSWITCH, IP65
EARTH GROUNDING ON ALL METAL PARTS
EXPLOSION PROOF CLIMATE SYSTEM
TIMER FOR CONTROLLING VENTILATION
EMERGENCY LIGHTING
EXPLOSION SAFE DOOR FITTING INSTALLATION (Fire alarm system with emergency supply, Zenerbarrier, Atex smoke detector, Atex adhesive magnet, Locking button)

**ACCESSOIRES**

ALUMINIUM DRIVE-ON RAMP, 1.230 x 1.150 mm - FOR DRUM CARRIER AND PALLET TRUCK
ADDITIONAL FIRE RESISTANT DOOR, EI160
ADDITIONAL FIRE RESISTANT DOOR FOR DOUBLE DOOR, EI160
FIRE RESISTANT PARTITION WALL
FIRE RESISTANT FEEDTHROUGH FOR CABLES AND PIPES Ø 30-80 mm / 60-110 mm / 75-125 mm
ASSEMBLED STORAGE RACKS
EYE AID BASIC - 2 EYE FLUSH BOTTLES FOR 15 MINUTES EACH IN BOX
ABSORPTION MATERIALS

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## SUMMARY OF RESEARCH FIRE RESISTANCE



## Laboratory for Fire Safety

## Summary examination of fire resistance of Bumax steel PGS-storage containers, series BMC Betreedbaar

The BMC Betreedbaar series are standard fire resistant module containers in accordance with PGS 15, equipped with single and/or double leaf hinged doorsets. For principle drawings please refer to report CA 1426-1-RA-002.

The table below provides an overview of the dimensions in which storage facilities will be produced and also the permissible dimensions.

t1 Overview of the permissible and applied dimensions of the BMC Betreedbaar series

Dimensions all sizes in [mm]	Permissible dimensions (external)		Applied dimensions (external)		Fire resistance till 60 min?
	minimum	maximum	minimum	maximum	
width of container	1000	unlimited	1350	8000	yes
depth of container	1000	4350	1200	2950	yes
height of container	1800	4250	2425	2805	yes
width single door	800	1690	standard 1470		yes
height single door	1650	2530	standard 2200		yes
width double door	1550	3725	standard 2770		yes
height double door	2110	3490	standard 2200		yes

Frame / roof / wall / door constructions: **R 60 / REI 90 / EI 60 / EI 60**  
expressed in analogy with the European classification system


The fire resistance of BMC Betreedbaar fulfills the requirements described in PGS 15:2016\*.

For PGS 8:2011\*\*, the storage containers can be used for permanent storage or temporary storage up to a maximum of 1.000 kg.

The above applies only if the following conditions are met:

- The fire resistance of the floor on which the container is installed must comply with REI 60 (e.g. direct installation on a paved surface under which fire can not occur);
- BMC Betreedbaar can not be top loaded;
- The details of the storage containers must correspond with information stated in report CA 1426-1-RA-002.

\* PGS 15:2016 – is a Dutch Standard with the aim of safe storage of packed hazardous substances  
\*\* PGS 8:2011 – is a Dutch Standard with the aim of safe storage of organic peroxides

This summary consists of 1 page. The report being the basis of this summary is available for inspection at the client and is registered under number CA 1426-1-RA-002, dated 20 October 2016.	Reference JZ/TB//CA 1426-2E-RA-002 January 23, 2019	Page 1/1	Initials 
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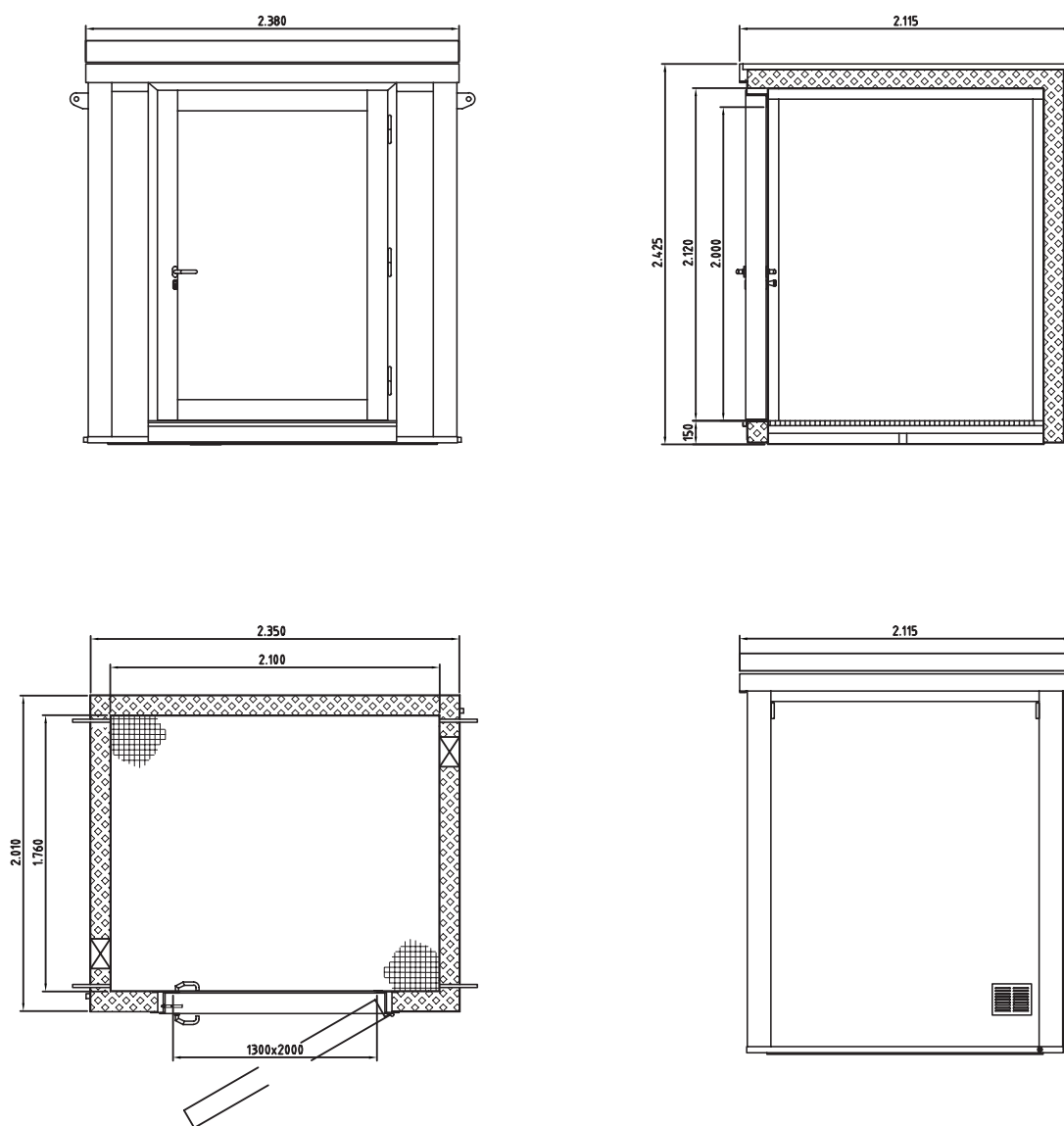
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