

ZZ® 230-144 Fire Protection Block

ZZ® 230-144 Fire Protection Block is a soft, flexible moulded foam part that is used in **ZZ® M20**, and as a filling block for free areas without penetrating installations in **ZZ® M30** mixed penetration sealing systems.

Designation	Art. no.	PU
ZZ® 230-144 Fire Protection Block 200 x 144 x 60 mm	B01V01-0004	1
	B01V04-0003	4
	B01V18-0001	18

Approval	ETA-11/0206
Reaction to fire in accordance with DIN EN 13501-1	Class E
Testing the fire protection properties under environmental influences	Use category Z ₁ (use in indoor areas with high humidity and temperatures ≥ 0 °C)
Air permeability	Q ₅₀ = 0.82 m³/(h m²) / 6.61 m³/(h m²), test standard: EN 1026 (test specimen dimensions 550 x 355 x <u>200</u> mm, tested without penetrating elements) Q ₅₀ = 1.12 m³/(h m²) / Q ₆₀₀ = 7.65 m³/(h m²), test standard: EN 1026 (test specimen dimensions 560 x 360 x <u>144</u> mm, tested without penetrating elements)
Resistance to static differential pressure	P _{max} = 3700 Pa. Test standard: In accordance with EN 12211 (test specimen dimensions 550 x 355 x <u>200</u> mm, tested without penetrating elements) P _{max} = 2100 Pa. Test standard: in accordance with EN 12211 (test specimen dimensions 560 x 360 x <u>144</u> mm, tested without penetrating elements)
Thermal conductivity	λ = 0.103 W/(m K), <u>Test standard</u> : DIN EN 12667
Airborne sound insulation	D _{n,e,w} (C;Ctr) = 68 (- 4;-11) dB <u>Test standard</u> : EN ISO 717-1 (test specimen dimensions 360 x 360 x 200 mm, tested without penetrating elements)

ZZ® 230-144-V Fire Protection Block

ZZ® 230-144-V Fire Protection Block, vacuum-packed can be used for easier sealing of narrow residual openings. After opening the foil, the vacuum-packed Block expands to standard size. The foil can remain in the bulkhead after expansion.

Designation	Art. no.	PU
ZZ® 230-144-V Fire Protection Block 200 x 144 x 60 mm, vacuum-packed	B01V02-0003	2
	B01V07-0001	7

ZZ® 230-144-S Fire Protection Block

ZZ® 230-144-S Fire Protection Block can be used as additional protection against moisture. The moulded parts can be coated on-site with off-the-shelf silicone, or alternatively they can be purchased as components that are already silicone-coated.

Designation	Art. no.	PU
ZZ® 230-144-S Fire Protection Block 200 x 144 x 60 mm, silicone-coated	B01V04-0007	4
	B01V18-0003	18