Ds gschide Züg

GOMASTiT®

FireSeal MS 90 professional fire protection sealant from the Swiss manufacturer!!

Don‘t leave safety to chance, take it into your own hands

Gomastit FireSeal MS 90 is a flame-retardant elastic paint-compatible sealant adhering on many substrates and surfaces.

Gomastit FireSeal MS 90 meets the highest industry standards.

With this unlabelled sealant, fire protection joints can be created using conventional PU round cord. Tested for joint widths up to 50 mm. Gomastit FireSeal MS 90 is easy to use and has very low volume shrinkage.

Suitable for connection joints and housings, but also for fire barriers and fire covers.

	Gomastit FireSeal MS 90
Shore A hardness	26
Elongation at break	approx. 225 %
Tensile strength	approx. 1.5 N/mm²
Consistency	stable
Processing Time	max. 15 min.
Complete curing after 24 hours	≥ 3.0 mm
Total distortion	20 %
Volume change	≤ 3 %

The technology that makes all the difference

Gomastit SMP products are based on the state of the art technologies and are manufactured from carefully selected raw materials.

They combine permanent elasticity, superior adhesion and maximum environmental compatibility

Advantages

- Easy to apply
- Permanently elastic
- Without the addition of solvents, isocyanates, silicones and phthalates
- Odourless
- Non-corrosive on surfaces
- Very wide adhesion range
- Paint-compatible
- Very low volume shrinkage

Tests

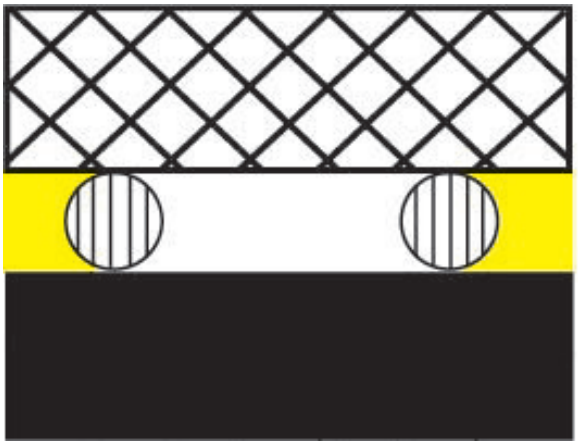
Gomastit FireSeal MS 90 has been tested by the independent FIRES S.R.O. Institute in accordance with EN 1366-4 and classified according to EN 13501-2.

Test reports:

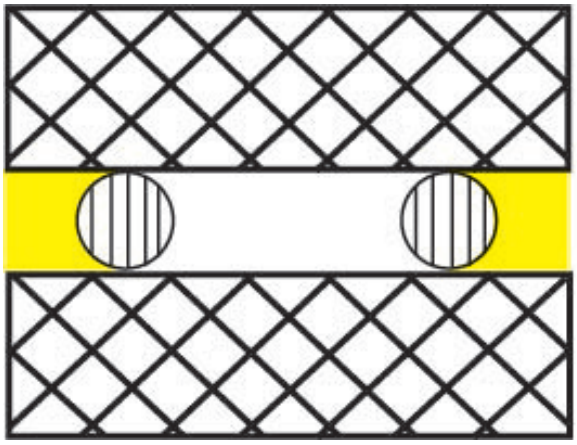
- FIRES-CR-023-AUPE "Linear Joint Seals" contains vertical wall and ceiling joints
- FIRES-CR-022-AUPW "Loadbearing Wall" contains horizontal wall joints
- VKF recognition No. 33083 and 32998, Fire resistance class EI 90
- ISO 11600-F20-HM
- Eco-bau 1. Priority ECO-BKP
- EMICODE EC1 Plus
- Eurofins IAC Gold

Schematic joint structure

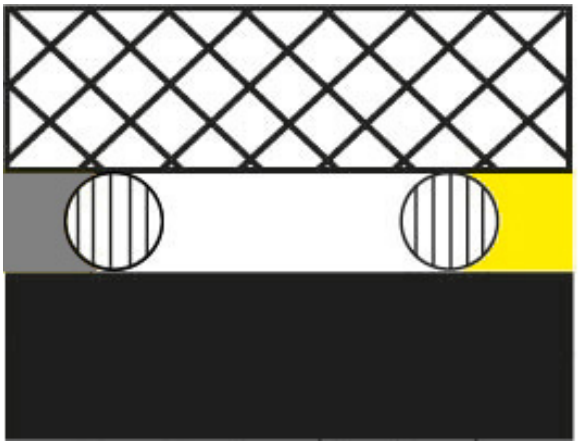
Steel on aerated concrete on both sides



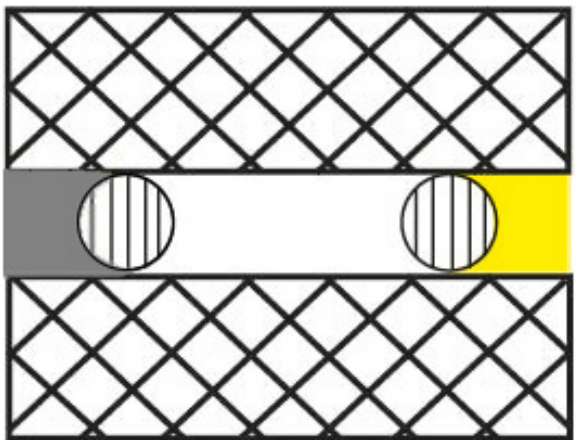
Aerated concrete on aerated concrete on both sides



Steel on aerated concrete on one side



Aerated concrete on aerated concrete on one side



Steel

Concrete

FireSeal MS90

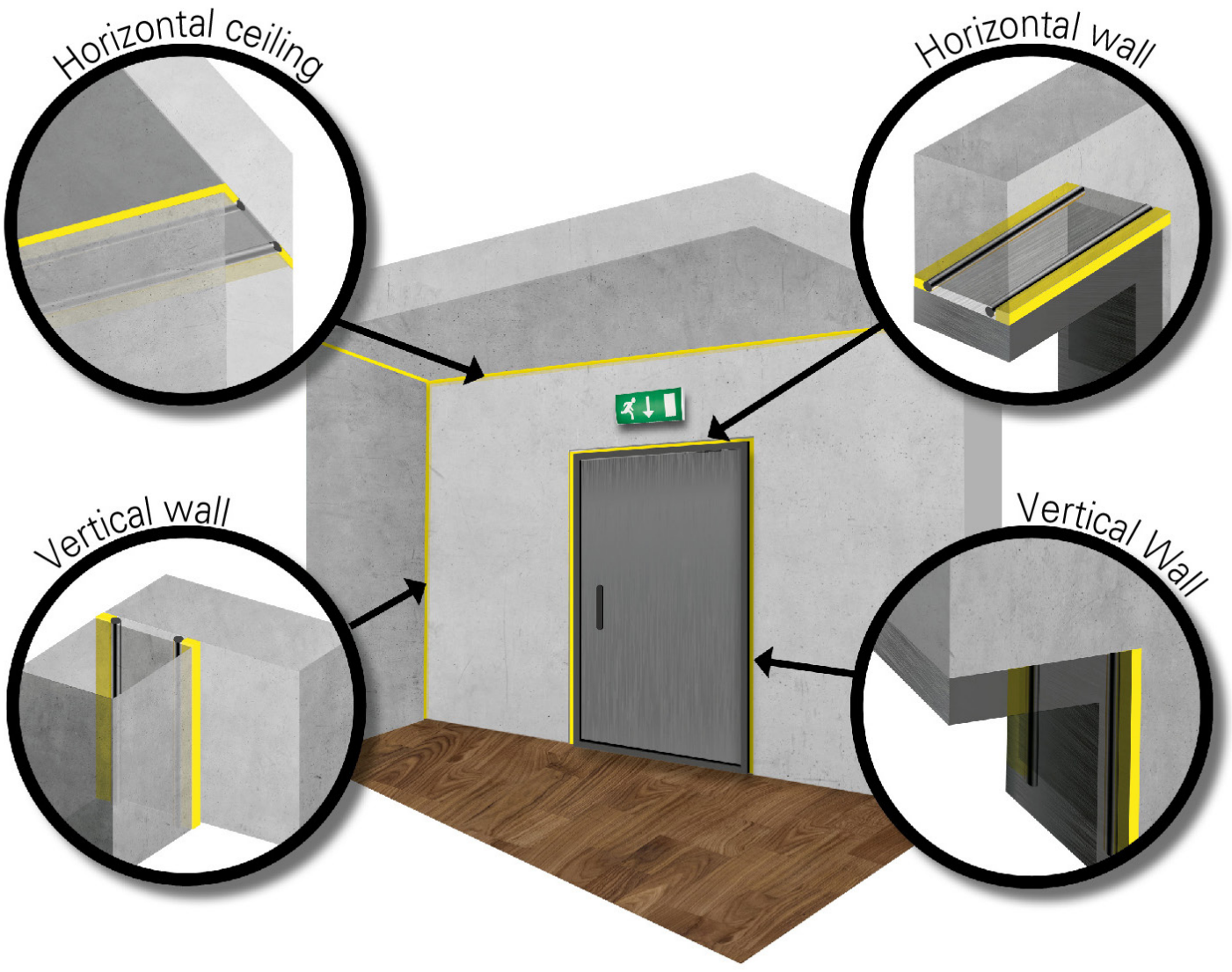
any sealant

PU round cord

Illustration of real-life example

Aerated concrete on aerated concrete

Steel on aerated concrete



Also tested for single-sided sealing

Summary table

Steel on aerated concrete - Building component min. 100 mm
Backfilled with normal open-celled PU round cord

Steel on aerated concrete

Double-sided

Orientation		Joint width (mm) up to ...	Joint depth (mm)	Fire resistance
Horizontal ceiling **Horizontal wall**	(A + C)	50	30	**EI120**
		50	15	**EI60**
		10	25	**EI120**
		10	15	**EI90**
Vertical wall	(B)	50	25	**EI60**
		50	15	**EI45**

Single-sided

Orientation		Joint width (mm) up to ...	Joint depth (mm)	Fire resistance
Horizontal ceiling **Horizontal wall**	(A + C)	30	60	**EI90**
		30	30	**EI45**
Vertical wall	(B)	30	50	**EI90**
		30	30	**EI45**
		10	30	**EI30**

Aerated concrete on aerated concrete - Building component min. 100 mm
Backfilled with normal open-celled PU round cord

Aerated concrete on aerated concrete

Double-sided

Orientation		Joint width (mm) up to ...	Joint depth (mm)	Fire resistance
Horizontal ceiling **Horizontal wall**	(A + C) (A + C)	50	30	**EI180**
		50	20	**EI120**
		50	10	**EI45**
		30	15	**EI90**
		10	20	**EI180**
		10	10	**EI120**
Vertical wall	(B)	50	25	**EI120**
		50	10	**EI60**
		30	15	**EI90**

Single-sided

Orientation		Joint width (mm) up to ...	Joint depth (mm)	Fire resistance
Horizontal ceiling **Horizontal wall**	(A + C)	50	30	**EI60**
		50	20	**EI30**
		30	40	**EI90**
		30	25	**EI60**
		10	20	**EI45**
Vertical wall	(B)	30	40	**EI90**
		30	20	**EI30**
		10	20	**EI45**

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