

Component Specification

SM24 Mosaic Mimic System

Data Sheet
SM05

Component Specification

Tiles:

Material:	Makrolon 6560, a polycarbonate based on bisphenol
Dimension:	24x24mm, 24x48mm, 48x48mm +0/-0,1mm
Colour:	standard range RAL 7035, RAL 6019, RAL 7016, RAL 1015
Odour:	odourless
Melting range:	220° - 230°C
Softening point:	150° - 160°C
Density:	approx. 1,2 g/cm ³ (in accordance with DIN53479)
Solubility in water:	insoluble
pH value:	not applicable
Fire resistance:	to UL94 class V-O (1,6mm)
Flash point:	FIT > 450°C (ASTM-D 1929 B)
Ignition temperature:	SIT > 450°C (ASTM-D 1929 B)
Hazardous reactions:	No hazardous reaction observed.
Regulations:	No labelling is required in accordance with the German regulation on dangerous substances (GefStoffV), dated 26 August 1986

(Sources: "DIN Safety Data Sheet", Bayer, 033107, dated 7 October 1988)

Grid SM24:

Material:	Zinc die-casting, alloy Z 410 (GO-ZnAl4Cu1)
Dimension:	Length 576 +0/-0,4mm Width 288 +0/-0,4mm Thickness 12,9 +0,1/-0mm
Hole centres	24mm
Melting range:	380° - 396°C
Residual deposits:	on fire 900°C: melted zinc-alloy, deposit zinc-oxidant dust
De-aerating reactions:	unknown

Aluminium profiles:

Material:	AlMgSi 0,5
Melting range:	680° - 720°C
Burning class:	0 according to DIN 4102
Residual deposits:	melted aluminium
De-aerating reactions:	unknown

Aluminium structure connectors:

Material:	Zinc die-casting, alloy Z410 (GD-ZnAl4Cu1)
Melting range:	380° - 396°C
Residual deposits:	on fire 900°C: melted zinc-alloy, deposit zinc-oxidant dust
De-aerating reactions:	unknown

Module housing / grid fixings (blue moldings):

Material:	Valox Dr48, glass reinforced polybutylene
Fire resistance:	to UL94 class V-O (1,6mm)

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