

General data

Product description	Toplayer	Reinforced glass fabric Phenol Resin with fiberglass Phenolic foam core 2,5 mm
	Core material	Fibreglass Phenolic foam core 10 mm
	Glue layer	2 components Polyurethane glue layer 0,2 mm
Density	Toplayer	ca. 1000 Kg/m ³
	Core material	ca. 190 Kg/m ³
Weight		ca. 7 Kg/m ²
Material thickness		15 mm ± 0,3 mm
Colour		Reddish brown
Fire performance	Toplayer	NF – F 16: M1 F1
	Core material	NF – F 16: M1 F0
	Glue	Low Flame Spread (IMO FTP-Code)
Sound insulation	According ISO 140-3	ca. 27 db (550 mm x 550 mm Testpanel)

Mechanical data

Flexural strength	See attachment 1 Diagram 1/2	
Punch strength	0,5 mm skin depth (remaining forming) test with 30 mm ² . According DIN EN 12825.	Max. 75 Kg
Shear strength	According ISO 1922	0,54 N/mm ²
Compressive strength	See attachment 1 Diagram 3	
Alternating load behaviour	Following DIN EN 12663: 10 ⁷ cycle Base load 280 Kg/m ²	With good results
Fixing	Steel screw 4,8 x 13 VA 4 mm Predrilled or Spax 5 x 16 mm Galvanised without predrill	Max. 70 Kg

Physical data

Boiling test	Following DIN 68701	With good results
Climate room	Following DIN 50016 21 days varying temperature cycle (-5°C / 20% rF ... 60°C / 80% rF)	With good results
Thermal coefficient of expansion	Following DIN 53752	$12 \cdot 10^{-6} \text{ K}^{-1}$
Thermal conduction	ISO 8301	$\lambda = 0,063 \text{ WK}^{-1}$ ($H = 0,476 \text{ W K}^{-1} \text{ m}^{-2}$)

Standard size

Discription	Length	Width
Standard	2460 mm	1246 mm
Short	2200 mm	1246 mm
Long	2750 mm	1000 mm
Small	2750 mm	800 mm

Diagram 1: Druma-floor Light 14 (all sides supported, fixed edges)

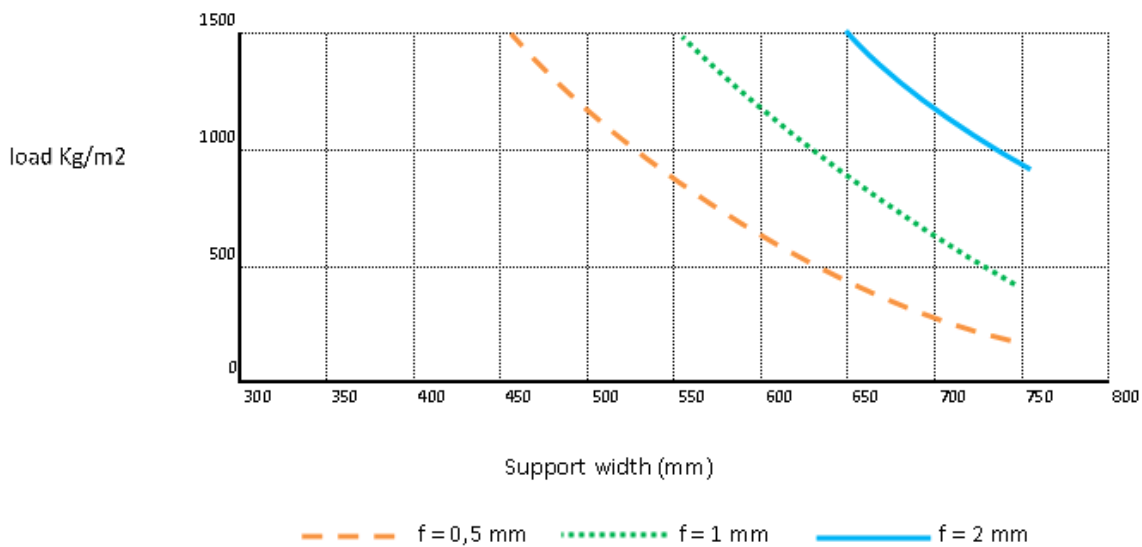


DIAGRAM 2: Druma-floor Light 14 (all sides supported, unhindered edges)

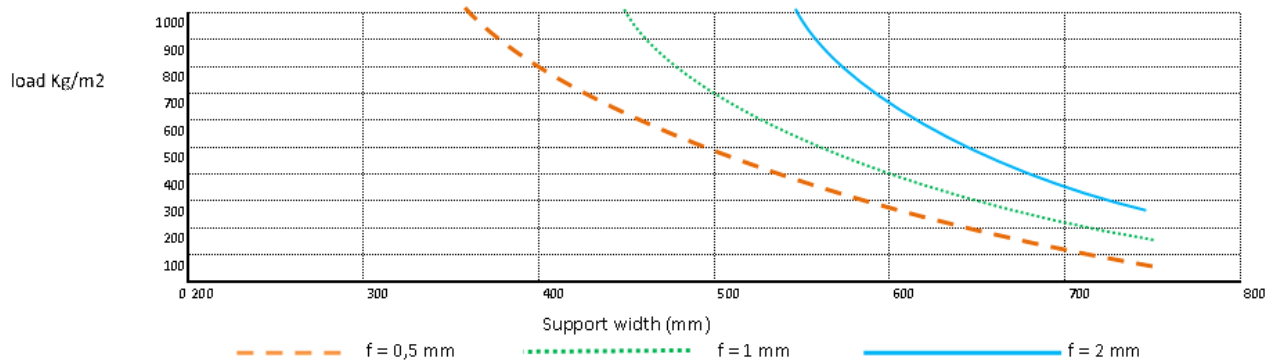


DIAGRAM 3: Compressive strength, dependent on density

