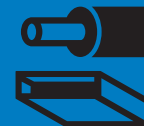


Isover PYRO

Slab



Specification code: MW – EN 13162 – T5 – DS(70,-) – CS(10)80 – TR7,5 – WS – WL(P) – MU1

PRODUCT DESCRIPTION

Isover PYRO is a strongest and the most rigid slab from Isover production.

APPLICATION

Isover PYRO is a slab with very high density used to increase fire protection of concrete decks and members.

Despite the fact that hydrophobing additives in the insulation impede the ingress of water, it is necessary to protect the slab in the construction against moisture and possible mechanical damage by a proper manner.

PACKAGING, TRANSPORT, WAREHOUSING

The product is supplied as packages on a pallet. Slabs must be stored in covered places under such conditions to avoid moistening or other degradation.

BENEFITS

- system certificate for fire protection of concrete members according to EN 13381-3:2015
- easy to handle, easy to cut with a sharp knife

DIMENSIONS AND PACKAGING

Product	Thickness (mm)	Dimensions (mm)
Isover PYRO	20	500 × 1000
Isover PYRO	40	500 × 1000
Isover PYRO	60	500 × 1000

TECHNICAL PARAMETERS

Parameter	Unit	Value	Standard							
THERMAL INSULATING PROPERTIES										
Declared value of the thermal conductivity coefficient λ_b (based on the set of measured values according to EN 12667)	$W \cdot m^{-1} \cdot K^{-1}$	0.039	EN 13162							
Specific heat capacity c_d	$J \cdot kg^{-1} \cdot K^{-1}$	800	-							
PHYSICAL PROPERTIES										
Density	$kg \cdot m^{-3}$	190	EN 1602, EN 13470							
Short term water absorption (W_p) WS	$kg \cdot m^{-2}$	$\ll 1$	EN 1609							
MECHANICAL PROPERTIES										
Compressive stress at 10 % deformation (σ_{10}) CS(10)	kPa	≥ 80	EN 826							
FIRE SAFETY PROPERTIES										
Reaction to fire	-	A1	EN 13501-1							
Melting temperature t_m	$^{\circ}C$	≥ 1000	DIN 4102 part 17							
ADDITIONAL PROPERTIES										
Acoustic absorption coefficient α for perpendicular impact of acoustic waves (-) according to EN ISO 354 and EN ISO 11654	Frequency	Hz	125	250	500	1000	2000	4000		
		mm	0.05	0.30	0.65	0.80	0.85	1.00		
	Thickness	mm	0.35	0.70	0.80	0.75	0.80	0.85		
Definition of single numerical value according to EN ISO 11654	Weighted sound absorption coefficient	-	a_w				Absorption class			
		mm	0,60 (H)					C		
	Thickness	mm	0,80					B		
		mm	0,85 (H)					B		

1. 7. 2017 The information is valid up to date of publishing. The manufacturer reserves right to change the data.