

Mineral wool panels

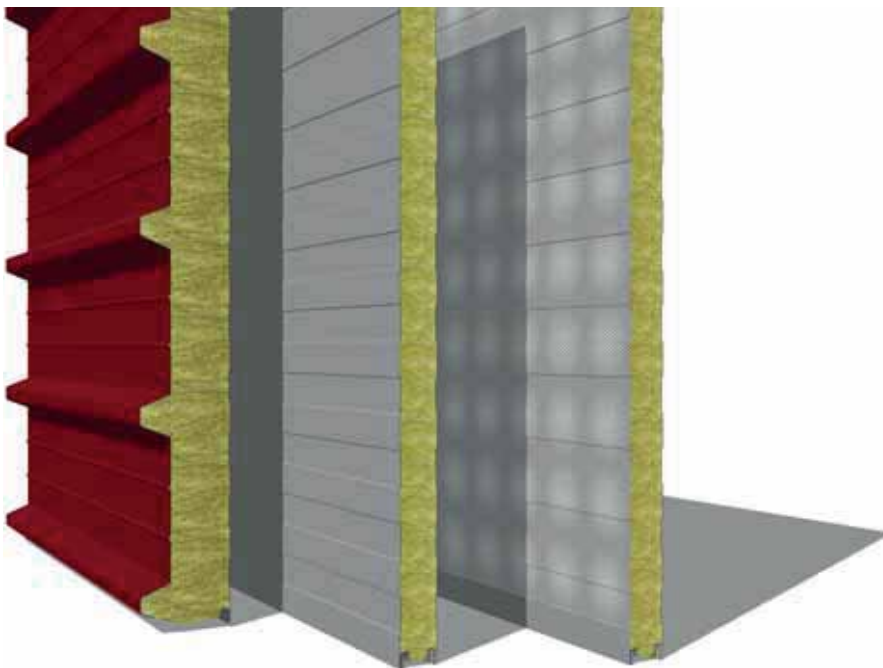
Reaction to fire and acoustic classifications



CLASSES OF REACTION TO FIRE										
MINERAL WOOL		REACTION TO FIRE	FIRE RESISTANCE							
PANEL	Thickness (mm)	A2 s1 d0	15'	20'	30'	60'	90'	100'	120'	180'
ISOFIRE WALL	50	A2 s1 d0	EI 15		EI 30*					
	60	A2 s1 d0	EI 15		EI 30*					
	80	A2 s1 d0				EI 60				
	100	A2 s1 d0				EI 60			EI 120*	
	120	A2 s1 d0					EI 90			
ISOFIRE WALL PLISSÉ	from 50 to 150	A2 s1 d0								EI 180
ISOFIRE ROOF	50	A2 s1 d0			REI 30					
	60	A2 s1 d0			REI 30					
	80	A2 s1 d0				REI 60				
	100	A2 s1 d0							REI 120	
	120	A2 s1 d0							REI 120	
ISOFIRE ROOF-FONO	80	A2 s1 d0				REI 60			REI 120	

* Performance achievable according to Installation Instructions.

ACOUSTIC CHARACTERISTICS			
PANEL		SOUND INSULATION	SOUND ABSORPTION
Thickness (mm)		Coefficient 500 Hz	Coefficient 500 Hz
ISOFIRE WALL FONO	50	Rw = 34 dB	$\alpha_w=1$
	80	Rw = 35 dB	$\alpha_w=1$
	100	Rw = 35 dB	$\alpha_w=1$
ISOFIRE ROOF FONO	50	Rw = 31 dB	$\alpha_w=1$
	80	Rw = 35 dB	$\alpha_w=1$
	100	Rw = 34 dB	$\alpha_w=1$



ATTENTION: All panels and/or thicknesses not given in the present chart are to be considered as "not tested". For further information please contact Isopan.

Polyurethane foam panels

Reaction to fire and acoustic classifications



Insulation PIR		CLASSES OF REACTION TO FIRE								
POLYURETHANE FOAM		REACTION TO FIRE				FIRE RESISTANCE				
PANEL	Thickness (mm)	B s2 d0	B s3 d0	C s3 d0	D s3 d0	15'	20'	30'	60'	90'
ISOBOX - ISORIGHE - ISOPIANO *	from 30 to 50	B s2 d0								
	from 60 to 120	B s2 d0					EI - EW 20			
	60 (false ceiling)	B s2 d0				EI 15				
ISOPAR. PLISSÉ - ISOPAR. EVO *	from 40 to 120	B s2 d0								
	80	B s2 d0					EI 20		EW 60	
	100	B s2 d0						EI 30	EW 60	
ISOCCLASS *	from 72 to 102	B s2 d0								
ISOFRIGO *	80	B s2 d0					EI 20			
	from 100 to 180	B s2 d0						EI 30		
	200	B s2 d0							EI 60	
ISOCOP - ISOTEGO - ISOVELA *	from 30 to 150	B s2 d0								
ISOCOP *	from 30 to 150	B s2 d0								
	from 100 to 150	B s2 d0						REI 30		
ISOP. PLUS *	from 40 to 100	B s2 d0								

* Performance achievable according to Installation Instructions.

Insulation PUR 2		CLASSES OF REACTION TO FIRE								
POLYURETHANE FOAM		REACTION TO FIRE				FIRE RESISTANCE				
PANEL	Thickness (mm)	B s2 d0	B s3 d0	C s3 d0	D s3 d0	15'	20'	30'	60'	90'
ISOBOX - ISORIGHE - ISOPIANO	from 30 to 60		B s3 d0							
	from 80 to 120		B s3 d0						EW 60	
ISOFRIGO	from 80 to 200		B s3 d0							
ISOFRIGO Giunto Iniettato	from 100 to 200	B s2 d0								
ISOPARETE PLISSÉ	from 40 to 100	B s2 d0								
ISOCCLASS	from 72 to 102	B s2 d0								
ISOCOP - ISOTEGO	from 30 to 60		B s3 d0							
	from 80 to 150			C s3 d0		REI 15				
ISOTAP	from 30 to 40			C s3 d0						
ISODOMUS CLASSIC	40			C s3 d0						
ISOGRECATA	from 30 to 60				D s3 d0					

Insulation PUR 3		CLASSES OF REACTION TO FIRE								
POLYURETHANE FOAM		REACTION TO FIRE				FIRE RESISTANCE				
PANEL	Thickness (mm)	B s2 d0	B s3 d0	C s3 d0	D s3 d0	15'	20'	30'	60'	90'
ISOBOX - ISORIGHE - ISOPIANO	from 30 to 80			C s3 d0 **						
ISOPARETE PLUS	from 40 to 100			C s3 d0 **						
ISOCOP - ISOTEGO	50			C s3 d0 **						
	from 100 to 150			C s3 d0 **						

** Result obtained by employing protection tin-steel on the sides.

ACOUSTIC CHARACTERISTICS		
PANEL	SOUND INSULATION	SOUND ABSORPTION
Thickness (mm)	Coefficient 500 Hz	Coefficient 500 Hz
ISODOMUS	40 Rw = 24 dB	--

ATTENTION: All panels and/or thicknesses not given in the present chart are to be considered as "not tested". For further information please contact Isopan.