



DECLARATION OF PERFORMANCE

NO 1445

24



Product type unique identifier: PAIRP42

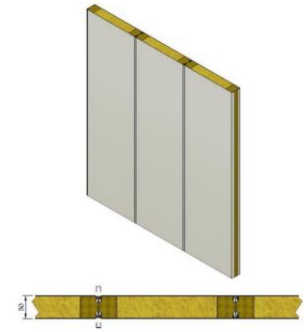
Application: Sandwich panels with mineral wool core and sheet metal surface;
exterior walls, partitions, suspended ceilings

Manufacturer name: Isolamin Sweden AB, Industrivägen 5, SE-95632 Överkalix

System: 3

Harmonized standard: EN 14509:2013

SP Swedish Testing and Research Institute report P704448



Panel	IRP42
Thickness	50 mm
Weight	21 kg/m²
Standard widths	565, 1180 mm
U-value	0.67/0.89 W/m²K

Essential characteristics	Performance	Harmonized technical specification
Tensile strength	NPD	EN 14509:2013
Shear strength	NPD	EN 14509:2013
Sliding Module	NPD	EN 14509:2013
Compressive	NPD	EN 14509:2013
Bending resistance	NPD	EN 14509:2013
Reaction to fire	NPD	EN 13501-1:2007
Fire resistance	NPD	EN 13501-2:2007
Fire protection capability	NPD	EN 14509:2013
Thermal resistance	>0.96 m² K/W	EN 14509:2013
Permeability of water	NPD	EN 12865
Air permeability	NPD	EN 11214
Vapor permeability	NPD	EN 14509:2013
Airborne sound insulation	42 Rw	EN ISO 140-3:95
Sound absorption	NPD	EN ISO 11654
Dimensional stability	PASS	EN 14509:2013
Durability	PASS	EN 14509:2013

Tolerans	Core material	Surface material
Length: ± 5 mm Width: ± 1 mm Thickness: +0/-1 mm Perpendicularity: 1 mm/m Surface roughness: +0/-0.35 mm	Material: Mineral wool Density: 180 kg/m ³ ±10% 36 kg/m ³ ±10%	Material: Hot dip galvanized steel sheet Thickness: 1 mm

Signed on behalf of the manufacturer:
Överkalix 2024-03-04*Michael Ottesen Fossen*

Michael Ottesen Fossen

Isolamin Sweden AB
R&D Technician / Project coordinator