



POLYURETHANE CORE WALL SANDWICH PANELS WITH EXPOSED FASTENING

BALEXTHERM-PU-W-ST

FEATURES

- high thermal insulating power - rigid polyurethane foam core and a seal inserted during production
- high fire tightness - unique, both-sided shape of the panel-and-lock joint
- easy assembly - profiling of the lock and conical sloping of the internal joint surface matches panels with other core materials
- compatible system - panels matching the BALEXTHERM-W-ST panels with various core materials
- high durability of anti-corrosion coatings - appropriate technology for profiling the shape of metal facing
- aesthetic façade appearance - wide range of profiles of external facing

APPLICATION

- lightweight casing for walls
- exterior and partition walls
- interior flooring covering
- structure insulation
- industrial and commercial facilities
- agricultural facilities
- logistic facilities
- fruit and vegetable stores
- sport halls



TECHNICAL PARAMETERS

Name	Polyurethane core wall sandwich panels with exposed fastening (BALEXTHERM-PU-W-ST)				
Core	PUR or PIR rigid polyurethane foam core / density: 40(+/-3) kg/m ³				
Facing thickness [mm]	0.40 – 0.70				
Material	S250GD - S280GD, stainless steel (1.4301)				
Coatings	SP polyester, matt pearl SP polyester, matt HDP polyester, PVC(F) „foodsafes“, PVDF, galvanized, alu-zinc + easyfilm®				
Colouring	wide range of Balex Metal colours – page 46				
Effective width [mm]	1100				
Total width [mm]	1120				
Panel length [mm]	2500 – 18 000				
Core thickness [mm]	40	50	60	80	100
Weight [kg/m²]	10,26	10,58	11,08	11,79	12,60
Thermal transmittance U_c [W/m²K]	0,55	0,44	0,37	0,28	0,22
Fire resistance	Not spreading fire NRO		E 60, Not spreading fire NRO		
Reaction to fire	B-s3, d0 (PUR) B-s2, d0 (PIR)				