



## T PANEL

T Panel is a specially designed product that connects rooms with different or same panel thicknesses, while providing ease of installation without sacrificing insulation value. Since no additional accessories or consumables are required for room connections, it provides an aesthetic appearance.

### T-PANEL GENERAL INFORMATION

Panel surface material can be produced as POLY, PVC, Cr-NI and GALVANIZED sheet. Cold room panels are interlocking panels that are produced by injecting 42 (+/-2) kg/m<sup>3</sup> density polyurethane foam between 0.50 mm sheets on both sides. They are produced according to the standard B2 fire resistance class, and can also be produced according to the B1 fire resistance class if preferred

#### MECHANICAL PROPERTIES

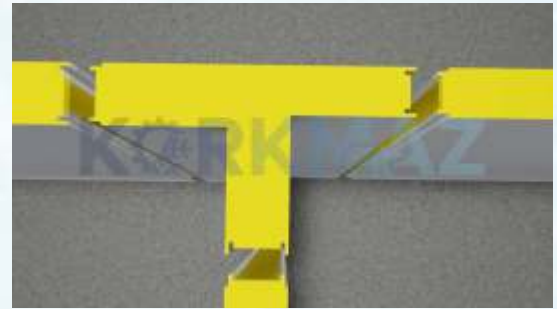
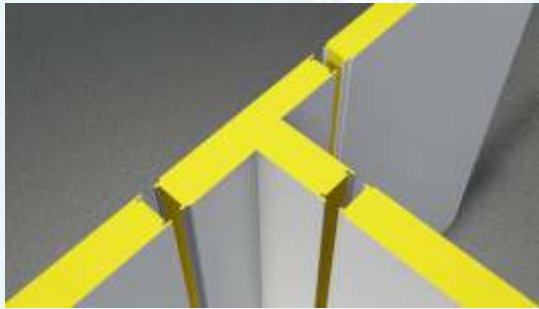
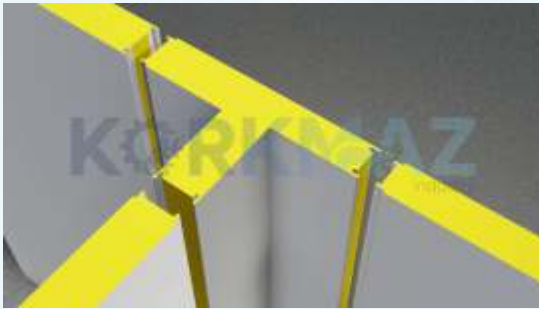
FEATURES	VALUES
Yield Strength of Sheet Surface (fct)	min. 220N/mm <sup>2</sup>
Tensile Strength of Panel	min. 0,018 Mpa
High Temperature Transverse Tensile Module	min. 0,04 MPa
Core Material Shear Strength (fcv)	min. 0,11 Mpa
Core Material Shear Modulus (G)	min. 2 Mpa
Core Material Compressive Strength (σ10)	min. 0,09 Mpa
Bending Moment Capacity and Rigidity – Flat (Mu)	min. 2,3 kNm/m
Bending Moment Capacity and Rigidity – Reverse (Mu)	min. 2 kNm/m
Torsional Stress Straight (σw)	115 Mpa
Torsional Stress Reverse (σw)	100 Mpa
Bending Moment Capacity on a Central Support – Straight	2,95 kNm/m
Bending Moment Capacity on a Central Support – Inverse	3 kNm/m
Torsional Stress Capacity on a Central Support – Straight	133 Mpa
Torsional Stress Capacity on a Central Support – Reverse	118 Mpa
PUR Thermal Conductivity Value ( λ )	max. 0,022 W/mK
Dimensional Stability	Level DS(TH) 11
Inflammability Class (TS-EN 13501-1)	C-s2,d0

#### GENERAL FEATURES

FEATURES	VALUES
Panel Width (cm)	30 – 40 – 50 – 111
Panel Thickness (mm)	50 – 60 – 80 – 100 – 120 – 150 – 180 – 200
Panel Density	40±2 kg/m <sup>3</sup>
Sheet Coating Types	Polyester – PVC – CrNi
Colour	RAL 9002
Pattern	Oluklu – Düz
Insulation	Poliüretan
Sheet Thickness (mm)	0,50 mm

#### DIMENSIONAL TOLERANCES

FEATURES	VALUES
Thickness	± %4
Length	± 10 mm
Width	± 2 mm
Deviation from Miter	± 5 mm



Density



Fire Resistant



Heat Insulation



Water Moisture Resistant



Soundproofing



Soundproofing