



## KOREEXTERNAL

### External Insulation Material Specification EPS 70

The KORE External Expanded Polystyrene (EPS) Insulation System is manufactured by Airpacks Ltd at our facility in Kilnaleck, Co. Cavan, Ireland. The product is manufactured to BS EN 13499:2003 Thermal Insulation Products for Buildings – External Insulation composite systems (ETICS) based on Expanded Polystyrene specification and BS EN 13163: 2001 Thermal Insulation Products for Buildings – Factory made products of Expanded Polystyrene specification.

#### KORE External Insulation EPS70 Specification – White

Characteristic	Value
Thermal Conductivity	0.037W/mK
Sheet Length	1220mm
Sheet Width	610mm
Sheet Thickness	Varies from 50mm – 300mm
Nominal Density	15Kg/m <sup>3</sup>
Fire Classification	Euro Class E (Flame Retardant Additive Grade)

Level/Class/Limit Value	Characteristic	Airpacks EPS 70 Value
T2	Thickness Tolerance	±1mm
L2	Length Tolerance	±2mm
W2	Width Tolerance	±2mm
S2	Squareness Tolerance	±2mm/m
P4	Flatness Tolerance	±5mm
DS(70,-)1	Dimensional Stability under specified temperature and humidity conditions	1%
DS(N)2	Dimensional Stability	±0.2%
BS115	Bending Strength	≥115
CS(10)70	Compressive Stress @ 10% Deformation	70kPa
TR150	Tensile Strength Perpendicular to the Surface	≥150kPa