

# EASIROLL ROOFING LTD

## **TECHNICAL DATA**

(Indicative Values)

### **OPTICAL PROPERTIES**

Light Transmission (colourless panels)	84% - 92%
Transmittance ultra-violet radiation 290 x 380 nm	Absorbing to a large degree
Infra-red range 720 x 1600 nm	Insulating to a large degree

### **MECHANICAL PROPERTIES**

Bearing strength	Far in excess of 150 kp/m <sup>2</sup> (distributed load)
Weight	1.8-2.0 kp/m <sup>2</sup>
Specific gravity	1.45 kp/dm <sup>3</sup>
Tensile strength	1400 kp/cm <sup>3</sup>
Flexural strength	2000 kp/cm <sup>2</sup>
Impact strength	120 – 140 cm kp/cm <sup>2</sup>
Ball indentation hardness	2000 kp/cm <sup>2</sup>
Scratch resistance (Mohs)	3
E-Modulus	100000 kp/cm <sup>2</sup>
Water absorption at 20°C in 24 hrs (in % of dead weight)	0, 1-0, 2% by weight

### **THERMAL PROPERTIES**

Dimensional stability	-40°C to +120°C
Coefficient of thermal expansion	3, 0 - 10 <sup>2</sup> cm/ °C
Coefficient of thermal conductivity	0, 16 kcal/mh °C
Rate of heat transfer	5, 1 kcal/m2h °C

### **CHEMICAL RESISTANCE**

Resists most types of gasoline, oils, fumes, smokes, weak acids, weak alkalis and saline solutions, detergents, beverages and many solvents.