



KUIPER
HOLLAND

PRODUCT DATA SHEET



KUIPER AIR PVC H60 LIGHTWEIGHT PANELS

DIMENSION: 244 X 122 CM
WEIGHT CORE: DIVINYCELL® 60 KG/M³
THICKNESS CORE: 6 - 40 MM

Divinycell H has been widely used over many years in virtually every application area where sandwich composites are employed including the marine (leisure, military and commercial), land transportation, wind energy, civil engineering/infrastructure and general industrial markets. In its application range Divinycell H has the highest strength to density ratio. It exhibits at both ambient and elevated temperatures impressive compressive strength and shear properties. In addition the ductile qualities of Divinycell H make it ideal for applications subject to fatigue, slamming or impact loads.

Other key features of Divinycell H include consistent high quality, excellent adhesion/peel strength, excellent chemical resistance, low water absorption and good thermal/acoustic insulation. Divinycell H is compatible with virtually all commonly used resin systems (polyester, vinyl ester and epoxy) including those with high styrene contents. Its good temperature performance with high residual strength and good dimensional stability, makes Divinycell H ideal for hand laminating, vacuum bagging, RTM (resin transfer molding) or vacuum infusion.

Technical Data for Divinycell H Grade

Property	Method	Unit	H60
Nominal Density ¹⁾	ISO 845	Kg/m ³	60
Compressive Strength ²⁾	ASTM D 1621	MPa	0.9
Compressive Modulus ²⁾	ASTM D 1621	MPa	70
Tensile Strength ²⁾	ASTM D 1623	MPa	1.8
Tensile Modulus ²⁾	ASTM D 1623	MPa	75
Shear Strength	ASTM C 273	MPa	0.76
Shear Modulus	ASTM C 273	MPa	20
Shear Strain	ASTM C 273	%	20

1) Typical density variation $\pm 10\%$.

2) Perpendicular to the plane. All values measured at +23°C.

