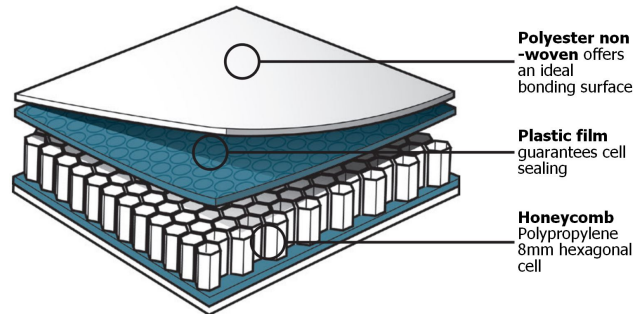


Nidaplast 8 Technical Data



Technical Data				
Properties	Test method	Nidaplast® 8	Nidaplast 8FR	Nidaplast 8HP
Compressive strength - 20° C	ISO 844	174.04 psi / 1,2 Mpa	174.04 psi / 1,2 Mpa	377.098 psi / 2,6 Mpa
Compressive modulus - 20° C	ISO 844	5801.5 psi / 40 Mpa	5801.5 psi / 40 Mpa	10152.63 psi / 70 Mpa
Perpendicular tensile strength (at break), 20° C	ASTM C297	116.030 psi / 0,8 Mpa	116.030 psi / 0,8 Mpa	116.030 psi / 0,8 Mpa
Shear strength - 20° C	ISO 1922	58.015 psi / 0,4 Mpa	58.015 psi / 0,4 Mpa	101.526 psi / 0,7 Mpa
Shear modulus - 20° C	ISO 1922	1305.3393 psi / 9 Mpa	1305.3393 psi / 9 Mpa	2030.527 psi / 14 Mpa
Water resistance, % retention of shear strength-20° C	ASTM C393	~100 % **	~100 % **	~100 % **
Heat resistance for honeycombs core 20 mm		R=0,3 m ² .°C/W (soit λ = 0,067 W/(m.°C))	R=0,3 m ² .°C/W (soit λ = 0,067 W/(m.°C))	R=0,3 m ² .°C/W (soit λ = 0,067 W/(m.°C))
		R=0,6 m ² .°C/W (soit λ = 0,14 W/(m.°C))	R=0,6 m ² .°C/W (soit λ = 0,14 W/(m.°C))	R=0,6 m ² .°C/W (soit λ = 0,14 W/(m.°C))
Heat resistance for honeycombs core 90 mm		R=0,6 m ² .°C/W (soit λ = 0,14 W/(m.°C))	R=0,6 m ² .°C/W (soit λ = 0,14 W/(m.°C))	R=0,6 m ² .°C/W (soit λ = 0,14 W/(m.°C))
	Standard quality inflammable. Possibility of M1/F0 classification for finished sandwich panels, depending on the sandwich skin		V2 Classification According to UL94	Product inflammable. Possibility of m1/F0 classification for finished panel
Behavior with fire		Excellent resistance to water and most acids, bases and salt solutions	Same	Same
	The longevity for the core's storage is guaranteed by a anti U.V. - U.V. protection of the finished panel is ensured by the skins of the sandwich panel		The longevity for the core's storage is guaranteed by a anti U.V. - U.V. protection of the finished panel is ensured by the skins of the sandwich panel	The longevity for the core's storage is guaranteed by a anti U.V. - U.V. protection of the finished panel is ensured by the skins of the sandwich panel