

NOVOTERM «SANDWICH» series				
Index	NT Sandwich 105	NT Sandwich 110	NT Sandwich 115	NT Sandwich 140
Density, kg/m ³ ± 10%	105	110	115	140
Stability of dimensions by length, width, thickness at [(25 ± 2) °C, (90 ± 5)%, 48 h], %, less than	1	1	1	1
Thermal conductivity at a temperature of (10 ± 0,5)°C, W/(m*K), less than	0,037	0,037	0,037	0,037
Thermal conductivity at a temperature of (25 ± 5)°C, W/(m*K), less than	0,038	0,038	0,038	0,039
Shear limit, kPa, more than	50*	50*	50*	75*
Compressive stress at 10% deformation, kPa, not less	60*	60*	60*	100*
Tensile strength perpendicular to faces, kPa, more than	100*	100*	100*	100*
Organic content, % to mass, less than	4,5	4,5	4,5	4,5
Water absorption when fully immersed, % per volume, less than	1,5	1,5	1,5	1,5
Short term water absorption, kg/m ² , less than	1	1	1	1
Long term water absorption, kg/m ² , less than	3	3	3	3
Vapor permeability, m ² / m ² *h*Pa, more than	0,3	0,3	0,3	0,3
Air permeability, kg/m ² *h, less than	0,3	0,3	0,3	0,3
Moisture, % by mass, less than	1	1	1	1
Period of effective operation, years, more than	50	50	50	50
Normal sound absorption coefficient at a layer thickness of 60 mm, Hz				
125	0,10-0,05	0,10-0,05	0,10-0,05	0,10-0,05
250	0,20-0,15	0,20-0,15	0,20-0,15	0,20-0,15
500	0,55-0,40	0,55-0,40	0,55-0,40	0,55-0,40
1000	0,75-0,60	0,75-0,60	0,75-0,60	0,75-0,60

*the plates are cut into strips (lamellae), the samples are rotated 90° around their axis