NOVOTERM «ROOF» series						
Index	**NT Roof 100**	**NT Roof 115**	**NT Roof 135**	**NT Roof 160**	**NT Roof 180**	**NT Roof 190**
Density, kg/m3 ± 10%	100	115	135	160	180	190
Stability of dimensions by length, width, thickness at [(25 ± 2) °C, (90 ± 5)%, 48 h], %, less than	1	1	1	1	1	1
Thermal conductivity at a temperature of (10 ± 0,5)°C, W/(m*K), less than	0,035	0,034	0,035	0,034	0,036	0,037
Thermal conductivity at a temperature of (25 ± 5)°C, W/(m*K), less than	0,037	0,038	0,038	0,038	0,039	0,039
Compressive stress at 10% deformation, kPa, not less	25	35	40	60	60	70
Tensile strength perpendicular to faces, kPa, more than	5	7,5	7,5	12	13	15
Point load, N, more than	-	-	-	500	550	600
Organic content, % to mass, less than	4,5	4,5	4,5	4,5	4,5	4,5
Water absorption when fully immesed, % per volume, less than	1,5	1,5	1,5	1,5	1,5	1,5
Short term water absorption, kg/m2, less than	1	1	1	1	1	1
Long term water absorption, kg/m2, less than	3	3	3	3	3	3
Vapor permeability, m2 / m*h*Pa, more than	0,3	0,3	0,3	0,3	0,3	0,3
Air permeability, kg/m2*h, less than	0,3	0,3	0,3	0,3	0,3	0,3
Moisture, % by mass, less than	1	1	1	1	1	1
Period of effective operation, years, more than	50	50	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	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	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	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	0,75-0,60	0,75-0,60