

# Technical Data Sheet

## Green 3D-Mat™ 20



Suitable for all kinds of residential, commercial, and industrial buildings, Enka3D Entangled Mats control the effects of water, air, thermal radiation, and sound. In roofs, sidewalls, foundation walls, and floors, they can reduce energy use, moisture damage, and the need for building maintenance.

| Properties geocomposite                       | Test Method                                                                                               | Unit             | Green 3D-Mat™ 20        |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------|-------------------------|
| Polymer                                       |                                                                                                           |                  | PP                      |
| Weight                                        | EN ISO 9864                                                                                               | g/m <sup>2</sup> | 200                     |
| Thickness nominal                             | EN ISO 9863-1                                                                                             | mm               | 20                      |
| Tensile Strength - MD                         | EN ISO 10319                                                                                              | kN/m             | 0.5                     |
| Tensile Strength - CMD                        | EN ISO 10319                                                                                              | kN/m             | 0.3                     |
| Elongation at maximum load - MD               | EN ISO 10319                                                                                              | %                | 55                      |
| Elongation at maximum load - CMD              | EN ISO 10319                                                                                              | %                | 40                      |
|                                               |                                                                                                           |                  |                         |
| Temperature resistance                        |                                                                                                           | °C               | n.p.d                   |
| Structure Type                                |                                                                                                           | 0,0              | open                    |
| 3 dimensional structure providing free volume |                                                                                                           | %                | >95                     |
| <b>Durability</b>                             |                                                                                                           |                  |                         |
| Ageing                                        | Good resistance to weathering and radiation                                                               |                  |                         |
| Chemical Resistance                           | Resistant to all chemicals in concentrations which are normally contained in the earth and surface water. |                  |                         |
| Toxicity                                      | None; approved for use in potable water reservoirs; EnkaMat is inert and not harmful to the environment.  |                  |                         |
| Rodent damage                                 | No nutritive value; the tangled structure of the mat is unpleasant to burrowing animals and rodents.      |                  |                         |
| Filling on site                               | Filling the erosion control product with soil-layer and vegetation seeds according installation manual.   |                  |                         |
| <b>Dimensions</b>                             |                                                                                                           | <b>Unit</b>      | <b>Green 3D-Mat™ 20</b> |
| Width x Length                                |                                                                                                           | m                | 1.4 x 120               |
| Length / diameter of roll                     |                                                                                                           | m                | 1.4 1.2                 |
| Gross weight                                  |                                                                                                           | kg               | 35                      |



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