

# hanit<sup>®</sup> EPD – Summary

## Environmental Product Declaration

During the year 2025 the Hedgehog B.V. did an independent LCA – Life Cycle Assessment based on the international standards ISO 14044 and EN 15804. Its results were verified and certified by EPD International, Sweden, and serve as the basis for our hanit Environmental Product Declaration.

A key result is the GWP – Global Warming Potential, shown in the table below. The comparison shows the outstanding performance of our material (0.197 kg CO<sub>2eq</sub> / kg hanit prefabricated component). Using this standard measurement, the carbon footprint for each hanit product can be easily calculated by multiplying it by the respective product weight. As a standard measurement it is shown in kg CO<sub>2</sub> per kg of material used (B). For easier interpretation column (E) shows the calculation of the total GWP of an exemplary product – a square profile 300 cm × 10 cm × 10 cm, based on an assumed standard density (C) and a corresponding product weight (D\*).

| GWP impact (kg CO <sub>2eq</sub> / kg) for alternative materials (cradle-to-gate, A1-A3) |   |                                |                             |   |
|--|---|--------------------------------|-----------------------------|---|
| A  | B   | C                              | D                           | E   |
| Material   | Greenhousepotential GWP total (kg CO <sub>2eq</sub> / kg) | Density (kg / m <sup>3</sup> ) | Weight Example product (kg) | Greenhouse effect Example product (kg CO <sub>2</sub> ) |
| hanit <sup>®</sup>   | 0,197   | 930                            | 27,90                       | 5,50  |
| Steel, e.g. No. S235   | 2,411   | 7.850                          | 27,50                       | 84,07   |
| HDPE, extruded (virgin plastic)  | 3,359   | 965                            | 28,94                       | 103,95  |
| Hardwood   | 0,806   | 673                            | 20,19                       | 16,27   |
| Softwood   | 0,907   | 510                            | 15,30                       | 13,88   |
| Standard concrete  | 0,617   | 2.400                          | 72,00                       | 44,42   |
| Extruded aluminium   | 14,055  | 2.700                          | 6,35                        | 89,25   |
| Hard PVC, extruded (virgin plastic)  | 3,116   | 1.400                          | 42,00                       | 135,40  |

(\*) Solid profiles assumed for hanit, hard wood, soft wood, concrete, extruded HDPE and PVC. Hollow profiles with 2 mm wall thickness assumed for steel and aluminium profiles