

ESSTACK NORDIC PRO

Assembly adhesive with direct load-bearing capacity for Nordic climate

Description of product:

ESSTACK NORDIC PRO is an assembly adhesive with direct load-bearing capacity. ESSTACK NORDIC PRO is strong, fast curing, flexible. The product is completely weatherproof. ESS TACK NORDIC PRO does not damage other materials and has good chemical and temperature resistance. The product is easier to get out of the cartridge than other “high tack” products, which makes it easier to use at lower temperatures.

Usage area:

For indoor and outdoor use in both hot and cold weather, in the building and industrial sector. In applications of Aluminium, Concrete, Cellular plastic, Plaster, Glass, Leca, Lightweight concrete, Plastic*, Steel, Wood, Wood fibre ceramics, skirting boards, panels, insulating and acoustic panels, decorative strips, wall coverings, thresholds, insulation materials, tiles, window sills, toilets and more. Also suitable for elastic bonding of metal, appliance and mechanical industries.

In all situations where fast fixation and strong results are needed.

Remains flexible and can absorb shocks, impacts and vibrations.

* Not PP, PE or PTFE

Specifications:

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|--|-----------------|
| Type | SMP |
| Curing system | Moisture curing |
| Density [g/cm ³] | 1.45 ± 0.05 |
| Colour | White |
| Packaging [ml] | 290 |
| Paintable* | Yes |
| Skin time/open time [min] | ~25 |
| Hardness [Shore A] | ~70 |
| Elongation at break (ISO 37) [%] | >175 |
| Tensile strength (ISO 37) [N/mm ²] | >3,5 |
| E-modulus (ISO 37) [N/mm ²] | ~3,2 |
| Curing time 20°C [mm/24 h] | ≥ 3.5 |
| Curing time -15°C [mm/24 h] | ≥ 1.5 |
| Application temp [°C] | -15 to +40 |
| Application temp, continuous [°C] | -40 to +80 |
| Shelf life cool & dry [months]** | 12 |
| Storage temperature, ideal [°C] | +5 to +20 |
| Frost-sensitive | No |

All values at 23°/50% RH, unless otherwise stated

**Paintability is only given as yes or no in table. ESSVE always recommends testing before using the product on a large scale. Please note that not all product combinations have been pre-tested*

It is therefore always up to the customer/end user to check that the paint, varnish or other surface treatment is compatible with the product in question. When overpainting, it is always recommended that primer is used. For MS/Hybrid products, caution should be exercised when using oil-based (alkyd) coatings – drastically prolonged drying times may occur. For all elastic and flexible products it is generally recommended never to overpaint. Varnish and paint are rarely elastic, which usually cracks. In rare cases, this can also cause cracks in underlying joints (joints & adhesives)

***Best before labelled packaging, for products with bag in box unopened bag applies.*

Utilisation:

Follow the instructions on the packaging. Temperature during application $-15^{\circ}\text{C} \div +40^{\circ}\text{C}$. If the product is used in sub-zero temperatures, it will be slightly more sluggish and difficult to press out of the cartridge, curing times will be prolonged at low temperatures, and the risk of condensation and frost on the surfaces to which it is applied should always be taken into account. The temperature of the cartridge should be above -15°C . Applied in beads or dots. For maximum adhesion, surfaces should be free from dust, loose particles, oil, grease, frost and other contaminants before applying the adhesive.

ESSTACK NORDIC PRO usually also adheres to damp or incompletely cleaned surfaces, but the end result will in principle always be worse than the values stated above. When glueing on wet concrete and other “difficult” substrates, primer must always be used.

Chemical resistance:

Good: Water, salt water, aliphatic solvents, oil, grease, dilute inorganic acids and bases (alkali)

Moderate: Esters, Ketones, Aromatic Hydrocarbons

Not resistant: Concentrated acids and chlorinated hydrocarbons

Weatherproof

Cleaning

Uncured adhesive is best cleaned with ESSVE Rengöringsdukar, but acetone, naphtha or alcohol also work. Cured glue is only removed mechanically.

Storing:

ESSTACK NORDIC PRO is best stored in a dark, cool and dry place. The product can withstand low temperatures, but should not be stored in sub-zero temperatures for long periods.

Precautionary measures:

See separate safety data sheet

Please be aware that:

All information in this document is given in accordance with the facts and information known at the time of preparation. Specifications are subject to change without notice. The document is continuously updated in connection with regular revisions or in the event of major specific technical changes.

All advice provided by ESSVE shall only be regarded as indicative and does not mean that ESSVE can be held responsible for the advice provided. It is always the customer's responsibility, at his own risk, to decide on the choice of product, use, applications, etc. The Supplier's advice is only part of the Customer's decision-making basis.