

SAFETY INSTRUCTIONS

- If this manual does not comply with valid legislation or other regulations in any detail, we consider the current legislation and regulations to take precedence over this manual.
- The installation of TERAFFEST® façade cladding with reaction to fire class E must be carried out in accordance with the Fire Safety Solution.
- As with any other building material, follow all safety precautions and all relevant legislation. When handling TERAFFEST® façade profiles, be extra careful due to their higher weight and length.
- When handling the 90 Rhomba profile with an inserted aluminium reinforcement, there is a risk of it loosening.
- Personal protective equipment must be used when cutting and drilling TERAFFEST® façade profiles. Especially when cutting aluminium profiles, pay attention to eye protection.
- When using cleaning products, especially those containing sodium hypochlorite, follow the safety instructions on the packaging.
- For more detailed information on health and safety, please refer to the Material Safety Data Sheet available on our website.

MAINTENANCE

Unbrushed surfaces of façade profiles

- If you choose TERAFFEST® façade profiles in a variant with an unbrushed visible surface, which offers a richer colour expression, it is necessary to be extra careful during handling, installation and subsequent maintenance. The surface is covered with a thin layer of polymer with pigment, which can be easily damaged. That is why most TERAFFEST® products are supplied in a unbrushed version.

Treatment of the TERAFFEST® façade after installation

- After completing the installation, remove sawdust, especially metal shavings, from the surface of the profiles, preferably by vacuuming.
- Wash the façade profiles with a stream of water, with caution you can also use a high-pressure cleaner with a pressure of max. 80 bar from a constant distance of the nozzle from the surface of approx. 400 mm. It is important to wash all dust from the profiles to reduce the occurrence of so-called water dust spots, see below.

Regular maintenance

- Wash the façade cladding with clean water at least 1 x a year (preferably in spring). A high-pressure cleaner can be used with caution, see the previous point. If possible, clean the cladding profiles in the longitudinal direction and from top to bottom.

Removing dirt and stains

- When cleaning standard brushed surfaces of profiles, proceed according to table No. 1, Maintenance of brushed surfaces TERAFFEST®
- When maintaining unbrushed surfaces, it is necessary to proceed more carefully, see the options listed in table No. 2. Maintenance of unbrushed surfaces TERAFFEST®
- Avoid the use of aggressive solvents and thinners. Also, never treat the surface of TERAFFEST® profiles with stains, paints, varnishes, waxes, oils or other similar products, unless they are approved by the manufacturer.



Fig. 1 Common pollution



Fig. 2 Water dust spots

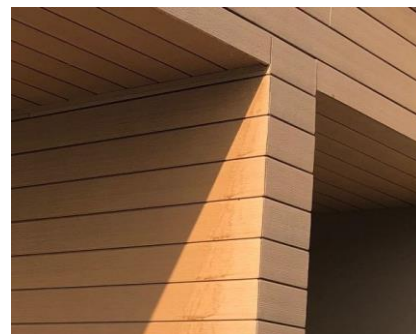


Fig. 3 Maturation of the wood component

Tab. 1 – Maintenance of TERAFFEST® brushed surfaces®.

Dirt type	Cause and origin	Removal method
Common dirt Fig.1	Dust and ash in the air, etc. More significant pollution is mainly on leeward surfaces.	Use regular household cleaners or wood composite cleaners (WPC). Use a spray bottle to apply the cleaning solution. A brush can also be used on the brushed surfaces (do not use a wire brush or dish sponge) Rinse the subsequent surface with water. A high-pressure cleaner can be used with caution.
Stubborn stains	Stains from mould, fungi, moss, leaves and other organic material, they occur mainly on shaded areas with higher humidity.	The most effective are products containing sodium hypochlorite, such as SAVO, Cilit Bang, etc. Before use, soak the cladding, apply the cleaner and leave it on for a few minutes, then rinse the treated area with water. Always follow the instructions and safety instructions on the cleaner packaging.
Water dust spots Fig. 2	These stains occur in places with insufficient intensity of rainwater, when insufficiently washed dirt dries on the surface of the cladding.	In case of stains, wash the cladding with clean water and, if necessary, use cleaning agents designed for WPC, you can brush the profiles in the longitudinal direction. Under the action of rainwater, the stains gradually disappear spontaneously. For covered areas, the use of a cleaner containing sodium hypochlorite is effective. See above.
Yellowing of the surface Fig. 3	Caused by the maturation of the wood component.	This is a natural process of maturation the surface of the boards after their exposure to UV radiation. The associated yellowing of the surface will disappear over time due to rainwater. In case of lack of rainfall, the process can be accelerated by rinsing with water. For covered areas, this must be repeated several times to obtain an even colour without stains.
Surface scratches	Accidental damage, vandalism.	If the scratches are deep with burrs, the damage can be partially smoothed out with an abrasive fleece (not sandpaper) by sanding in the longitudinal direction, then rinsing the surface with water. Minor scratches do not need to be treated, after maturing the exposed layer of material will not be visible.

Tab. 2 – Maintenance of unbrushed surfaces TERAFFEST®.

Dirt type	Cause and origin	Removal method
Common dirt Fig.1	Dust and ash in the air, etc. More significant pollution is mainly on leeward surfaces.	Use common household cleaners (without abrasive particles) or wood composite cleaners (WPC). A brush cannot be used on unbrushed surfaces. To apply the cleaning solution, use a spray bottle, let it work and then rinse with water. A high-pressure cleaner can be used with caution.
Stubborn stains	Stains from mold, fungi, moss, leaves and other organic material, they occur mainly on shaded areas with higher humidity.	The most effective are products containing sodium hypochlorite, such as SAVO, Cilit Bang, etc. Before use, soak the cladding, apply the cleaner and leave it on for a few minutes, then rinse the treated area with water. Always follow the instructions and safety instructions on the cleaner packaging.
Water dust spots Fig. 2	These stains occur in places with insufficient intensity of rainwater, when insufficiently washed dirt dries on the surface of the cladding.	In case of stains, wash the tile with clean water and possibly use cleaning agents designed for WPC, unbrushed profiles cannot be brushed. Under the action of rainwater, the stains gradually disappear spontaneously. For covered areas, the use of a cleaner containing sodium hypochlorite is effective. See above.
Yellowing of the surface Fig. 3	Caused by the maturation of the wood component.	This is a natural process of maturation the surface of the boards after their exposure to UV radiation. The associated yellowing of the surface will disappear over time due to rainwater. In case of lack of rainfall, the process can be accelerated by rinsing with water. For covered areas, this must be repeated several times to obtain an even colour without stains.
Surface scratches	Accidental damage, vandalism.	These scratches are very visible on unbrushed surfaces. As of the date of publication of this document, there is no appeal available yet. We assume that minor scratches will not be so noticeable after the exposed layer has matured.

WARRANTY

The extended warranty for TERAFFEST® products in the period of 25 years is valid for all composite wood products in the range against wood-decaying fungi, rot and insects in standard conditions. For all other cases, the warranty is 60 months. We will replace damaged products under warranty. If the product in question is no longer manufactured, it will be replaced with a similar one. No further financial or other compensation can be claimed under this warranty. Installation and all other work and costs associated with the replacement of cladding profiles are excluded from the warranty.

The warranty does not cover the following:

- **Colour fastness** – TERAFFEST® products have UV protection. However, these are products made of wood, and therefore colour variations may occur over time due to uneven exposure to UV light and moisture.
- **Scratching of unbrushed surfaces** – unbrushed surfaces of profiles are covered with a thin layer of coloured polymer, the thickness is determined by the production technology. With standard products, due to easy scratching, is this layer removed by brushing. In the case of a requirement for an unbrushed visible surface, the warranty cannot be applied for any damage occurring after receipt from the manufacturer for the above reason.
- **Maturing of the wood component** – see Fig. 3. In the first weeks or months after installation, depending on the intensity of sunlight and rainfall, the colour matures. It is the release of lignin from the wood component in the TERAFFEST® material, which consists of wood (60%) and HDPE (40%). Lignin is a natural part of all tree species. Due to its release, which is caused by UV radiation and subsequent leaching by water, a colour change occurs in the first weeks or months, usually with a yellow tint. Over time, and especially depending on the intensity of rainwater, this colour change disappears.
- **Water dust spots** – see Fig. 2. These stains occur in places with a lower intensity of rainwater, when insufficiently washed dirt dries on the surface of the cladding. However, UV radiation and rain gradually remove the stains spontaneously. This phenomenon cannot be completely avoided on partially covered surfaces. In open areas fully exposed to the sun and rain, this phenomenon is least noticeable.
- **Occurrence of static electricity** – under certain conditions, people moving near façade cladding made of TERAFFEST® material may encounter discharges of static electricity. This is a common physical phenomenon occurring in most materials with a proportion of plastics. The polarity and strength of electrostatic charge vary depending on the types of materials touching (shoes, clothing), surface roughness, temperature and other circumstances. This phenomenon is not predictable. Static electricity usually manifests itself in windy weather and at low relative humidity. The intensity varies depending on the climate and age of the cladding. There is no health risks associated with the occurrence of static electricity on TERAFFEST® cladding, and its occurrence is not a recognizable reason for a complaint.
- **For common surface dirt and wear**, see – Fig. 1 and Table 1 and Table 2
- **Problems arising due to poor preparation of the load-bearing structure of the façade cladding**, or its low load-bearing capacity, rigidity, or deformation, or due to insufficient ventilation of the space under the façade cladding.
- **Failure to comply with the assembly instructions** – TERAFFEST® products that have not been installed in accordance with the assembly instructions supplied together with the material. The warranty also does not apply to products that have been used for a purpose other than that specified in the assembly instructions.

Warranty period TERAFFEST®	FOR HOME USE	FOR COMMERCIAL USE
BASIC	5 years	5 years
EXTENDED	25 years	10 years