

Installation Guide

Moisture Protection of Wooden Elements

Product: PROTECT GRIP

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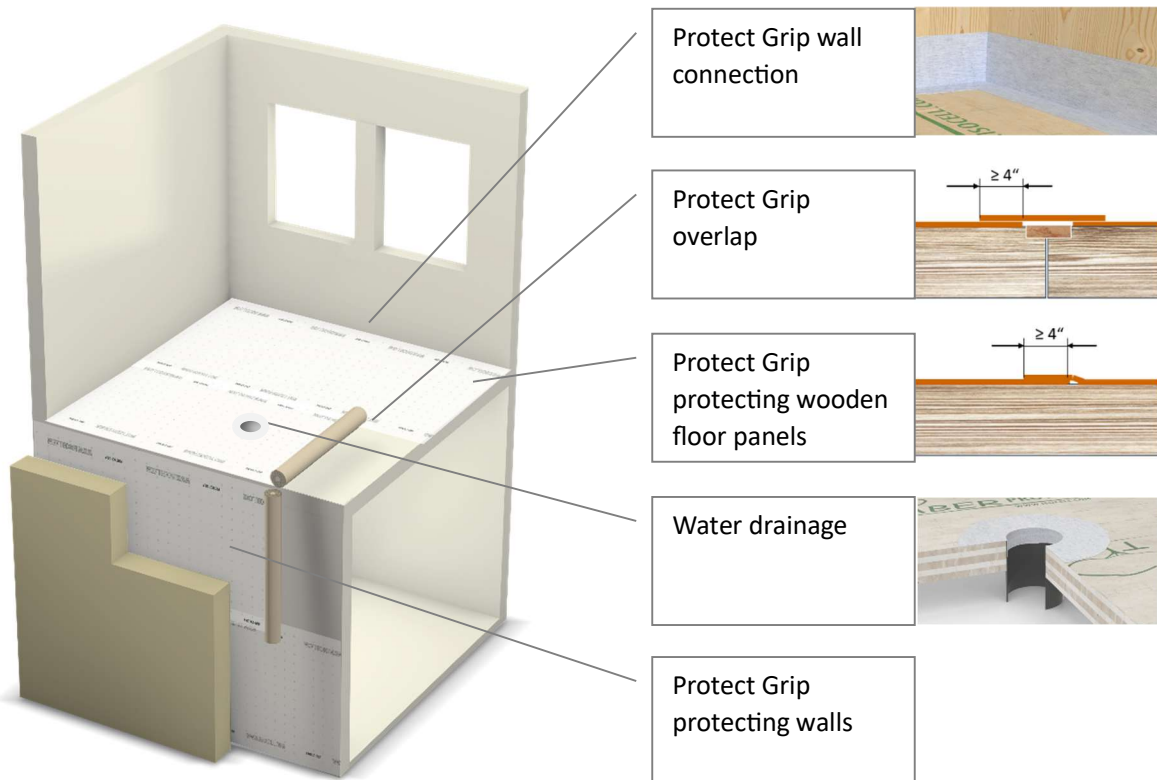
System Description

The system is designed to temporarily protect timber constructions from weather exposure.

The PROTECT GRIP Installation Manual provides guidance on effective techniques for protecting timber components from the effects of weather and moisture during the construction process.


PROTECT GRIP is a self-adhesive, semi-permeable, and transparent membrane designed for use on roof and floor panels. It helps prevent moisture absorption and damage, resists water, offers a secure surface for walking and can withstand the rigors of construction activities.

It is the responsibility of the project leader to evaluate and customize these instructions to meet project-specific needs and comply with local building regulations. For scenarios outside the scope of this guide or to modify specific details, consult a qualified design professional or a ISOCELL representative.



Product Information

PROTECT GRIP product information



Technical data sheet

PROTECT GRIP

PROTECT GRIP is a combination of fleece coated with an impermeable membrane and a specially matched polyacrylic adhesive. The tear-resistant synthetic liner facilitates handling. Construction elements can be bonded together over the entire surface with the wide sheets as protection during transport and the construction period. Joins between sheets can easily be made lengthwise along the marking grid and diagonally with 10 cm overlap.



ADVANTAGES

- fully self-adhesive
- Transparent
- non-slip safety: anti-slip coating
- no fleece abrasion
- practical grid pattern for overlap measurement
- low heat absorption due to protection of material through light colouring
- very good self-adhesion
- Emission tested according to QNG criteria

FIELD OF APPLICATION

- protection for construction elements of solid wood and wooden composite materials during transport
- weather protection
- intermediate floors and walls

RECOMMENDED PRODUCTS

	OMEGA PLASTO Tape
	AIRSTOP ROLL Pressing Roller
	OMEGA FROZEN Adhesive Paste

AVAILABLE DIMENSIONS

Article number	Roll width	Roll length	Rolls / Pallet	Total area
3PGBZA	1.50 m	50 m	25 rolls	1875 m ²

TECHNICAL DATA

sd-value	2.5 m	Material composition	PP fleece with special membrane and anti-slip coating, special acrylic adhesive
Elongation (EN 12311-1) lengthwise	60 - 100 %	Elongation (EN 12311-1) crosswise	60 - 100 %
Tensile strength (EN 12311-1) lengthwise	90 N/50 mm	Tensile strength (EN 12311-1) crosswise	60 N/50 mm
Tear propagation resistance (EN 12310-1) lengthwise	70 N	Tear propagation resistance (EN 12310-1) crosswise	85 N
Temperature resistance	-40–70 °C	Working temperature	-5–40 °C
Weight	175 g/m ²	Colour	white transparent
Storage	cool and dry	UV-resistance uncovered	12 weeks
Fire performance (EN 13501-1 / EN 11925-0) E			

Self-adhered membrane for temporary weather protection of wooden elements (non-removable).

Self-adhering, semi-vapor-permeable, water-repellent membrane made of nonwoven fabric with an anti-slip functional layer and a full adhesive layer applied to the entire backside.

Characteristics:

Property	Value (Metric)	Value
Colour:		white

Weight	175 g/m ²	0.036 lb/ft ²
Water Vapor Transmission	108 Metric Perms (ng/Pa*s*m ²)	1.9 US Perms (grains per hr.in.Hg.ft ²)
Temperature Resistance	-40°C – 70°C	-40°F – 158°F
Working Temperature	-5°C – 40°C	23°F – 105°F
Expandability (EN 12311-1)	60 - 100 %	60 - 100 %
Tensile Strength (EN 12311-1)	90 N/50 mm (long.)	20.2 lbf/in (long.); 60 N/50 mm (trans.)
	60 N/50 mm (trans.)	13.5 lbf/in (trans.)
Tear Propagation Resistance	70 N (long.)	15.7 lbf (long.)

	85 N (trans.)	19.1 lbf (trans.)
Storage	Cool and dry	
Outdoor Exposure	Climate Zone 3-8: 12 weeks; Climate Zone 1-2: 6 weeks	
Fire Performance	EN 13501-1 / EN 11925-2 E	
Surface Burning Characteristics ATM E84-2024a	Flame Spread = 5 Smoke Density = 25	
Capability to Seal Around Nail (Head of Water Test), ASTM D1970	Pass	

PROTECT GRIP is available in roll widths of 30 cm (11,8 inches), 21 cm (8.3 inches), 16 cm (6 inches), and 10 cm (3,9 inches) upon request. The narrower rolls are suitable for repairing damaged areas and for connections.

Side products

Uni XL Sprayprimer



Technical data sheet

UNI XL Primer Spray

UNI XL Spray Primer is a quality solvent-based synthetic rubber for optimisation of adhesion of all acrylic, butyl and bitumen rubber adhesive tapes. It can be used on all absorbent mineral substrates, such as plaster, concrete, cement and lime plaster, aerated concrete, brick and sand-lime bricks with pointing and on woodbased panels and on wood. UNI XL Spray Primer is applied using a spray gun and is very fast to apply. Shipping: Hazardous substance, transport only through carrier

ADVANTAGES

- high increase in the bonding bridge
- extremely fast to use
- short drying time
- forms an adhesive film, self-adhesive

FIELD OF APPLICATION

- increases adhesion of all adhesive tapes

RECOMMENDED PRODUCTS

	Spray Gun
	Conveyor Hose
	Spray Lance

AVAILABLE DIMENSIONS

Article number	Content	Items / pallet
3PRIMDG	22 l	16 Stk

TECHNICAL DATA

Material composition	synthetic rubber	Working temperature	-5–35 °C
Flash-off time at 20 °C	5 - 15 min.	Coverage	70 - 150 m ² / Container
Storage	12 months unopened; dry, tightly closed; +10°C - +25 °C, no direct sun	UN-number	3501

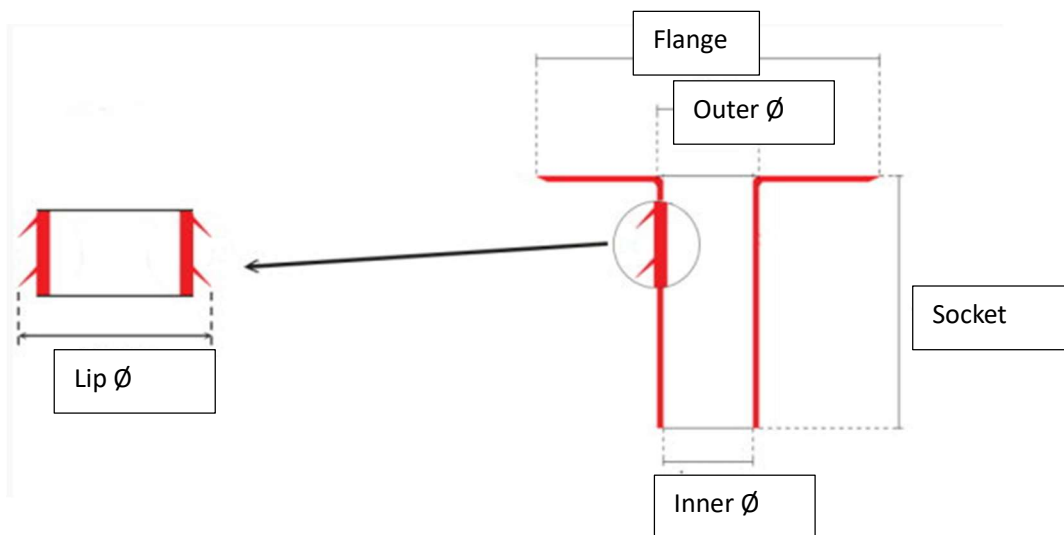
Uni XL Spray primer is a primer to bind dust on the underground before PROTECT GRIP was applied. The primer is necessary when the substrate is inadequately load-bearing for the adhesion.

The UNI Primer Spray was also in small cans of 500ml available. This works best for small areas and Omega PLASTO processing.

EPDM roof drain DN 100 mm
 Article number: 3EPDMGULLY100



Nominal Diameter (DN)	Flange \varnothing	Outer \varnothing	Inner \varnothing	Lip \varnothing	Socket
DN 100	320 mm (12.6 in)	97 mm (3.8 in)	87 mm (3.4 in)	102 mm (4.0 in)	243 mm (9.6 in)



The EPDM roof drain is a reusable flange that allows surface water to be drained into pipes. This reduces the risk of standing water on horizontal surfaces. While the self-adhesive protective film PROTECT GRIP remains in the component, the flange can be cut out before the hole is closed and reused later.

OMEGA PLASTO tape



Technical data sheet

OMEGA PLASTO Tape

To guarantee air and wind-tightness for the skin of a construction it must have the appropriate foils or panel materials providing a permanent seal at overlaps, gaps, joints and penetration points. OMEGA PLASTO Tape is an expandable butyl-rubber tape with a fleece base that can be plastered and painted over. The adhesive area has a split, asymmetrical PE backing. The liner split enables precise application at intersections and in corner areas. Amongst other sealing applications, the adhesive tape is used to make a second drainage level below the window sill.

ADVANTAGES

- can be plastered and painted over
- split liner
- high adhesive properties of Butyl adhesive
- unevenness in substrate is compensated by the thick adhesive layer
- water-tight, elastic
- suitable for low temperatures
- adheres to bitumen using primer spray
- window sill adhesion possible directly with UNI MS Sealant Adhesive

AVAILABLE DIMENSIONS

Article number	Roll width	Roll length	Split liner	Carton
30MPLA75	75 mm	25 m	30 / 45	4 rolls
30MPLA100	100 mm	25 m	30 / 70	2 rolls
30MPLA160	160 mm	25 m	30 / 130	2 rolls
30MPLA200	200 mm	25 m	30 / 170	1 rolls
30MPLA250	250 mm	25 m	30 / 220	1 rolls
30MPLA300	300 mm	20 m	30 / 120 / 150	1 rolls
30MPLA450	450 mm	15 m	30 / 210 / 210	1 rolls

FIELD OF APPLICATION

- joints on masonry that can be plastered or painted over
- can be used to seal base (load condition 'non-pressurizing water')
- in accordance with ÖNORM B3692 standard and directive 'Base Connection in Timber Construction'
- second water-bearing layer
- base, also in connection with OMEGA PoBit Sealing Compound
- cables and pipes (Curves)
- interior and exterior corners (flexibility)
- covering corners
- suitable for chimney and roof-window joints (formation of corners)
- for quick and simple creation of a second water-bearing level below the window sill
- for outdoor use

TECHNICAL DATA

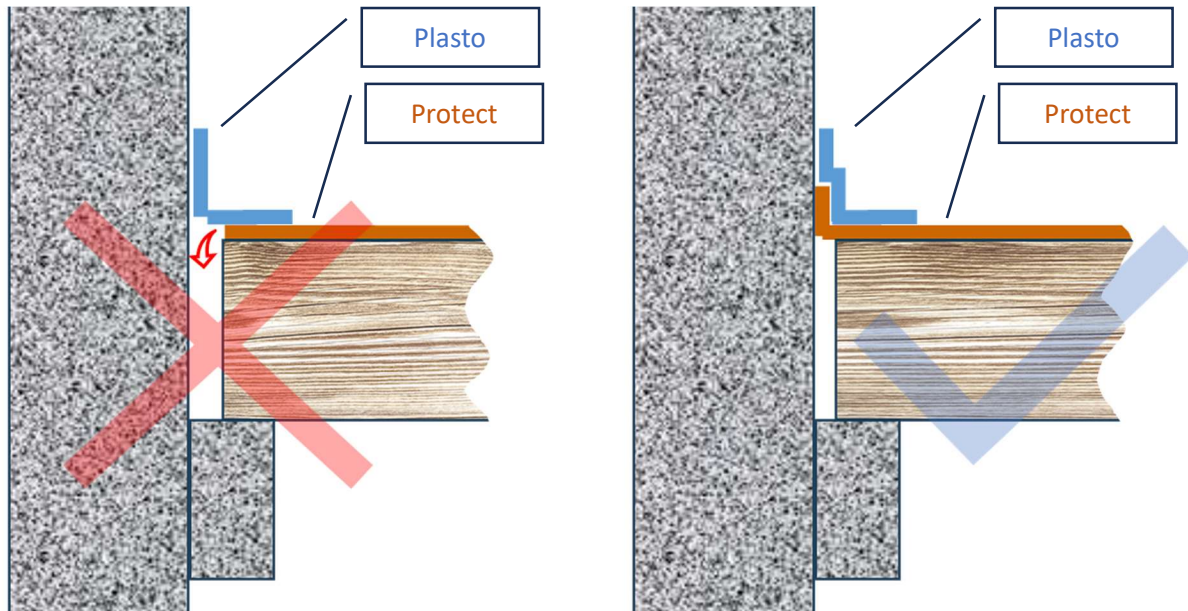
Material composition	Butyl-rubber adhesive tape combined with non woven fabric	Thickness	0.8 mm
Temperature resistance	-40–80 °C	Working temperature	-5–40 °C
Shelf life	2 years	Colour	Grey, with white fleece
UV-resistance	4 months	Storage	cool and dry
Fire performance (EN 13501-1 / EN 11925-0)	E		

RECOMMENDED PRODUCTS

	AIRSTOP RAK Plastic Squeegee
	AIRSTOP ROLL Pressing Roller
	UNI SPRAY Primer Spray

The PLASTO tape is stretchable and soft butyl tape and therefore ideal to seal connections to difficult formed parts as pipes, corners, or ruff surfaces as concrete. When using OMEGA PLASTO tape, note that adhesion to itself (on the tape's back) is relatively weak due to its fleece surface. It is recommended to pre-treat the overlapping area of the lower tape with UNI Spray Primer. A thin layer is sufficient, and it does not need to be left to flash off. The primer ensures an optimal bond of the butyl adhesive to the tape backing.

Attention: If there is a gap, the butyl may flow out, compromising the seal. Plastoband alone, without backing, must not be applied over gaps. Other load-bearing tapes must be placed over the gap before applying the Plastoband on top to achieve proper sealing.



Preconditions/Preparations

Transport and Storage

Transport materials to the project site in their original packaging, ensuring seals are intact, and labels display the manufacturer's name, product details, manufacturing date, and storage instructions.

Store materials in a clean, dry, and sheltered area, keeping them in their original, undamaged packaging and within the temperature range specified by the manufacturer. Ensure materials are protected from direct exposure to UV light.

Waste management

The removable back paper is made of PP (Polypropylene) CAS-number: 9003-07-0 and should be deposited as PP-waste. ATTENTION: due to the thin silicon sputtering the membrane is very slippery. After removal from the product the back paper shall be collected immediately. Walking on the back paper is slippery and can increase the danger of accidents.

The membrane itself consists of an PP (Polypropylene) fleece membrane compound with acrylic glue on the back and it is also supposed to be disposed in "mixed plastics".

Site Condition

Recommended application temperature: minimum of +23°F (-5°C)

Ensure PROTECT GRIP is applied as soon as possible after installation.

Installation should not occur during rain, bad weather, or when the surface is wet or FROZEN.

Take care to prevent dirt and debris from accumulating on the surface during installation.

PROTECT GRIP can endure the following UV exposure before being covered:

- Up to 12 weeks in Climate Zones 3-8
- Up to 6 weeks in Climate Zones 1-2

Substrate

Before applying the adhesive, ensure that all wood surfaces are completely free from contaminants, such as dust, paint, grease, oils, solvents, ink, sealers, adhesives, mold, mildew, and any other substances that could interfere with the bonding process.

PROTECT GRIP must only be applied when the moisture level in the mass timber layers, including any plywood or OSB sheathing, does not exceed 16% at any point (whether on the surface, core, or edges).

Wood surfaces must be kept dry and protected from rain, snow, or wet ground throughout the construction phase.

If the wood becomes wet, use fans, heaters, or dehumidifiers as necessary to facilitate drying.

If the substrate has a moisture content above 16%, a professional should assess whether the substrate needs to be dried before applying the membrane.

When using mechanical fasteners, they should be installed flush with the surface of the substrate.

Substrates with inadequate load-bearing capacity can be pre-treated with UNI XL Spray Primer. Even at very low temperatures, UNI XL improves adhesion.

Moisture management

For optimal installation conditions and added protection during transport and on-site staging, it's recommended to apply PROTECT GRIP in a controlled factory environment.

If factory installation is not possible, the following guidelines should be followed based on moisture exposure to ensure adequate protection on-site and minimize moisture absorption:

Always shield timber panels from rain, snow, and damp surfaces during transportation, storage, and construction.

Given the sensitivity of end grain to moisture, it is crucial to prioritize the treatment of panel joints and the protection of edges and end grain.

PROTECT GRIP must not be applied in wet conditions. Ensure the panels are dry and there is no precipitation (rain or snow) or use on-site tent structures for shelter.

Avoid prolonged exposure to standing water or snow. Remove any accumulated water or snow regularly using tools like a squeegee, broom, or wet vacuum.

Set up drainage systems to allow water to flow freely and avoid pooling within the assembly.

Plan measures to divert rainwater from exposed openings, staircases, and larger holes in the structure.

Using permanent or temporary coverings such as tents or tarps can help mitigate moisture-related risks during both construction and PROTECT GRIP installation.

Regularly check the moisture content of mass timber panels before and after covering to ensure it meets the required moisture levels.

Installations Guideline

Applicator Qualifications:

Unified Sourcing: The self-adhering waterproofing membrane and its accessories should be sourced as a complete system from a single manufacturer to ensure compatibility and system integrity.

Regulatory Compliance: Ensure that the product meets all applicable federal, state, and local regulations.

Installer Qualifications: The installer must have prior experience in applying self-adhering sheet membranes.

Installation Standards: The installation must follow the manufacturer's guidelines.

Training Opportunity: When possible, the installer should complete ISOCELL product installation training before beginning work.

The applicator must have experience working with the same or similar materials and must receive explicit written approval from the membrane manufacturer before proceeding.

Compatibility: Ensure the self-adhering waterproofing membrane does not come into contact w materials that are chemically incompatible with it.

Temperature: Apply the self-adhering waterproofing membrane within the temperature and moisture range recommended by the manufacturer for both the ambient air and substrate. Avoid applying the membrane to damp or wet surfaces.

UV Exposure: Avoid exposing the self-adhering waterproofing membrane to ultraviolet (UV) light for longer than the time recommended by the manufacturer.

Field Conditions: Do not apply air barrier materials in adverse weather conditions such as snow, rain, fog, or mist. Additionally, avoid installing the self-adhering waterproofing membrane if the temperature of the substrate or surrounding air is below the manufacturer's recommended threshold.

Planning and preparation before installation

Before starting the work, arrange a meeting to go over the project conditions, installation methods, timelines, coordination with other tasks, and the manufacturer's designated field representative.

Examine all relevant project requirements and submitted documents, assess the condition of the substrate and its preparation, and identify any potential conflicts or necessary interfaces. Verify that materials and components for the air barrier system are available, and ensure the installer is properly trained, with the required equipment, facilities, and scaffolding. Coordinate the installation procedures, methods, and sequencing to guarantee seamless integration and proper protection throughout the project.

Avoid applying the product to damp substrates.

Starting work or any part of it signifies the installer's approval of the substrate's suitability.

Confirm that all surfaces and conditions meet the necessary standards for beginning the work described in this section.

Verify that surfaces are free from dirt, moisture, and irregularities, and that they adhere to the specifications provided by the membrane manufacturer.

Work should not commence until all deficiencies have been addressed.

Tools:

- Broom, roller, or a squeegee
- Rubber roller, heavy steel roller
- Sharp razor knife

Time of installation:

PROTECT GRIP can be applied either in a factory or on-site to shield timber assemblies from moisture. Benefits and challenges of each installation method are described below. For specific adjustments, it's advisable to consult an approved professional or ISOCELL representative.

Factory Installation:

Advantages:

Installed in a controlled, dry environment, ensuring better conditions for application.

Provides moisture protection during transportation and storage of timber elements.

Reduces the risk of moisture exposure during construction and shortens on-site work.

Offers superior edge protection, especially where wood end grain is exposed.

Challenges:

Logistical difficulties for manufacturers in coordinating factory installation.

On-Site Installation:

Advantages:

A flexible alternative when factory installation isn't feasible for the main moisture protection layer.

Minimizes overlapping areas during application.

Allows more adaptability based on site conditions.

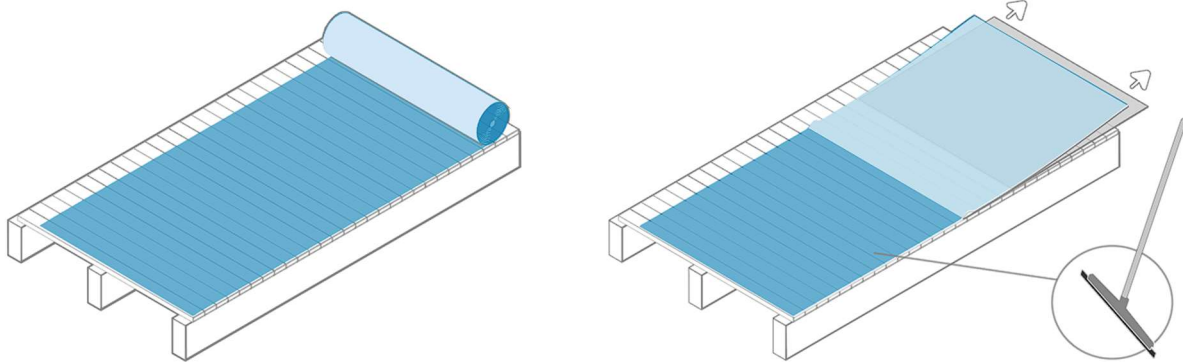
Challenges:

Additional protective measures such as wrapping or covering may be required to protect them from precipitation.

PROTECT GRIP cannot be applied in wet conditions; substrates must be dry and free of dust and debris.

Sheet installation works

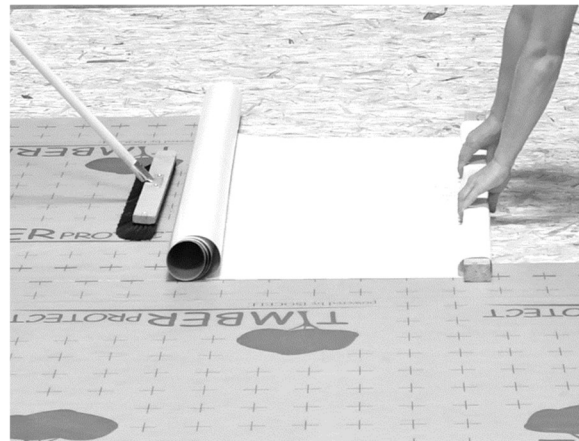
ADHESIVE PROPERTIES PROTECT GRIP adopts the functions of wind and airtightness as well as weather protection, not however the function of a load-bearing connection. PROTECT GRIP cannot be plastered or painted over.



ADHESIVE TECHNIQUE PROTECT GRIP must be bonded with the substrate over the entire surface. We recommend first cutting the required quantity to length, pulling the liner away a little and attaching the PROTECT GRIP at one end of the construction component. The second step is to gradually pull off the liner on both sides, at the same time rubbing on the sheeting to keep it bubble-free, using e.g. a wide squeegee or wide, straight broom. The liner can be wound around a square timber and then pulled off. In this way the tension used when pulling can be evenly distributed and a crease-free and smooth bond is achieved. Overlaps of the adhesive tape should be min. 10 cm. Sufficient pressure must be applied to the open edge using a pressure roller.

ADHESION ON THE FOLLOWING SUBSTRATES: Wood, wooden composite boards (OSB, MDF, 3S-boards, chipboard, plywood...), synthetics, metal free from oxidation and rust, masonry, unsanded concrete.

The materials used must be free from dust, grease and silicone, the substrates must also be dry and stable. For rough wood, similar uneven substrates, and at low temperatures, we recommend pre-treatment of the substrate with one of ISOCELL's primers.



Please note that at low temperatures, and even at slight temperature changes, surface condensation may occur. This has the effect of a release layer and reduces adhesion. After applying the construction waterproofing a curing process takes place. Depending on the temperature this can take 6 – 24 hours. Only then is complete adhesion achieved.

TIPS Walls: observe direction of water-flow. Always begin with adhesion at the bottom. Avoid open edges. Fold down at top. Intermediate floors: use a pressure roller in the region of edges of overlaps. If there is creasing at the edge or damage to the PROTECT GRIP we recommend the use of OMEGA PLASTO Tape as repair tape. If available OMEGA FROZEN can also be used for repair work.

Use in combination with UNI Primer Spray in the edge and overlap regions permits low working temperatures to -10° on a substrate free from ice and, when sufficient pressure is applied, increases reliability under extreme weather conditions.

Process:

Measure and cut the material along printed guide marks into sheets of manageable size to suit the application requirements.

Position the membrane with the printed side facing the installer.

Peel away the release liner from the membrane's back, align it precisely to confirm proper placement before fully removing the liner, and firmly press it onto the surface.

Achieve substrate adhesion by pressing the foil firmly to the substrate. Only areas that are properly pressed will achieve strong substrate adhesion. Special attention must be given to pressing the foil at overlap joints. Only firmly pressed seams will provide a proper seal.

If wrinkles occur at joints, they must be generously covered either with the manufacturer's system sealant, system adhesive tape, or a wide strip of the system product itself. Wrinkles that are merely compressed will reopen later due to the inherent tension in the material. Covering them is essential to ensure a watertight seal.

Warning: Openings in the ceiling must be cut out immediately after the foil has been stretched over them. The foil CANNOT support the weight of a person if it is stretched freely across an opening. There is a serious risk of falling when spanning openings as the opening may not be clearly visible from above. Secure the opening to prevent people falling.

Ensure overlaps of at least 4 inches (100 mm), and use a roller to smooth out the joints, guaranteeing a seamless bond and preventing gaps or fish mouthing, as per the manufacturer's instructions.

Verify that the entire membrane creates an effective waterproof seal. Take responsibility for its integrity, even in areas not explicitly detailed. If concerns arise about the membrane's completeness, consult with the site manager.

Seal all penetrations to maintain a watertight barrier.

Repair any misaligned seams, punctures, or other defects using a patch of membrane that extends at least 2 inches (50 mm) beyond the damaged area on all sides.

Overlaps; Connections to other building parts

Special care should be taken to protect all joints and penetrations on-site after the timber panels are installed. This includes immediate treatment of connections such as panel-to-panel, panel-to-wall joints, and penetrations to ensure continuous protection and minimize exposure to moisture.



Sealing the panel joints can only provide proper protection against water if the entire panels are covered with the protective construction film.

Ensure the overlap area is clean and free from moisture, dust, and dirt.

If the overlap area is wet or dirty, clean it with a mop or blow it dry using a leaf blower or heat gun to prepare for proper adhesion.

Overlap PROTECT GRIP by at least 4", preferably 6".

Apply firm pressure across the surface using a heavy steel roller for optimal adhesion.

Optional: To prevent moisture infiltration, edge-terminate overlaps with a continuous strip of OMEGA PLASTO if wrinkles or inadequate bonding are detected.

Bond connecting joints of elements with PROTECT GRIP, applying a width of 15" or more.

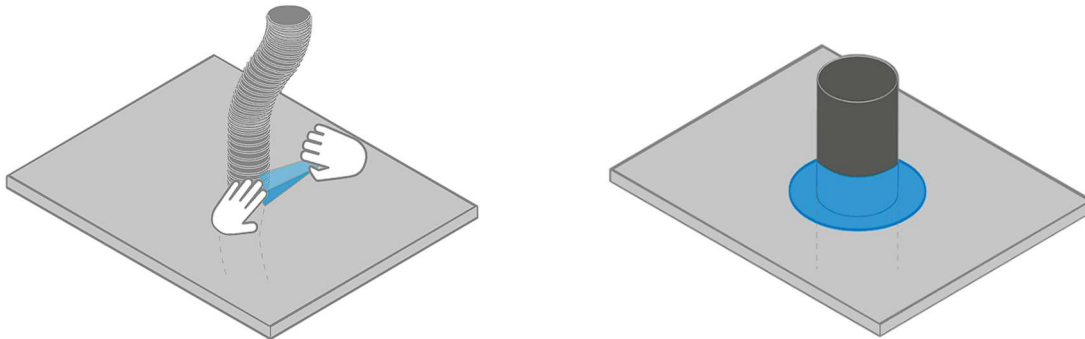
Apply firm pressure across the entire surface with a heavy steel roller to ensure the best bond.

For sealing transitions to mineral surfaces (such as concrete or cement-bonded particleboard) use OMEGA PLASTO: Treat mineral substrates with UNI Spray Primer. Wait until it's fully dried. Position the tape centrally, ensuring proper alignment. Gradually peel off liner strips (backpaper) and press firmly into place. If the surface is very smooth and level a strip of ProtectGrip can be used as well.

Attention: If there is a gap between the elements, the ProtectGrip must be applied over the gap, and the Plastoband must then be adhered over the edge of the ProtectGrip. Plastoband alone, without backing, must not be applied over gaps. When freely suspended, the butyl may flow out, compromising the seal.

For sealing penetrations, use OMEGA PLASTO:

Fold the tape lengthwise. Apply it to the penetration and then to the PROTECT GRIP. Continue layering the tape, overlapping each piece to form a seal. The area of overlap PLASTO on PLASTO the underground must be prepared with UNI spray primer. The Primer enables firm connection between OMEGA PLASTO and itself.



To seal transitions to timber materials, use narrow strips of PROTECT GRIP:

Apply the tape centrally, ensuring proper alignment.

Gradually peel off the backing strip and press the material firmly in place.

To seal PROTECT GRIP to columns, use narrow strips of PROTECT GRIP:

Apply the tape centrally, ensuring proper alignment.

Peel off the backing strips one at a time and press the material firmly in place.

In both cases, OMEGA PLASTO tape is also suitable. This option is ideal for uneven, small-scale, and intricate applications. Please follow the specific application guidelines for OMEGA PLASTO.

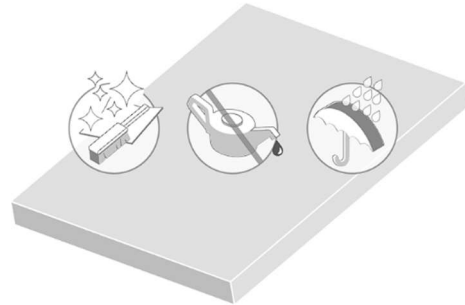
PREPARATION

Inspect metal closures to ensure they are free of sharp edges or burrs.

Make sure all surfaces are free from oil and excessive dust.

Confirm that substrates are completely dry and free of moisture before applying the membrane.

Clear the area of any loose debris or contaminants that could hinder material adhesion.



FIELD QUALITY CONTROL

Inspections conducted by the project commissioner or architect can evaluate the waterproofing membrane, its accessories, and installation to ensure they meet the required performance standards. For guidance and assistance, the membrane manufacturer is available for consultation. Any damage caused to the membrane during destructive testing must be promptly repaired in accordance with the manufacturer's instructions.

Moisture management

The components should be protected from moisture as early as possible. See the advantages and disadvantages of factory compared to on-site assembly in the chapter "Time of Installation." Components must be comprehensively protected. In particular, end-grain areas and sensitive panel materials must be optimally shielded. Standing water must be avoided. A planned water management system should ensure sufficient drainage capacity, even during heavy rainfall events. Water accumulation must be prevented. Drainage points should be established at the lowest areas, and the drained water must be safely diverted away from the building.

Repair damages

To ensure PROTECT GRIP effectively protects the structure from moisture, it must form a seamless barrier. Any lifting holes or tears should be repaired to maintain a complete seal. After installation, perform a visual inspection to check for any damage, such as holes or tears. To repair damaged areas: Place a section of PROTECT GRIP or OMEGA PLASTO directly over the affected spot on the field membrane. Ensure the patch is centered over the damage and extends beyond its edges for a secure seal. Dirty areas must be cleaned beforehand and pre-treated with UNI Spray Primer.

Difficult connections, damage, and joints can be sealed with the paste-like, liquid sealing compound AIRSTOP FROZEN. It should be noted that AIRSTOP FROZEN only provides a seal after curing. Until then, the product must be protected, especially from mechanical influences such as foot traffic. AIRSTOP FROZEN can also be used to seal connections on very uneven surfaces, such as concrete. The sealing compound adheres to both the backing of PROTECT GRIP and the adhesive-coated side.



Warning notices

Due to the thin silicon sputtering the removable back paper was very slippery. After removal from the product the back paper shall be collected immediately. Walking on the back paper was slippery and can increase the danger of accidents.

Openings in the ceiling must be immediately cut out or secured after the foil has been stretched over them. The foil CANNOT support the weight of a person if it is stretched freely across an opening. When spanning openings, there is a serious risk of falling because the opening may not be clearly visible from above.

Be aware that moisture and frost can affect the slipperiness of surfaces. The risk of slipping increases with moisture, hoarfrost, or frost. Therefore, it is important to act cautiously and use appropriate equipment.

Incorrect processing, exceeding permissible environmental conditions (especially exposure times), or mechanical or chemical damage can impair the function of a product. Isocell cannot provide any warranty in these cases.

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