

# DETAILED INSTALLATION, TRANSPORT, STORAGE AND USE MANUAL OF **COROTOP® ROOF MEMBRANES**

# DESCRIPTION OF THE PRODUCTS

COROTOP roof membranes are intended for use as an initial roofing layer for ventilated and non-ventilated inclined roofs with a minimum drop of 11° depending on the membrane specification and their wind insulation.

The membranes should be selected and used according to a technical project developed in accordance with the construction regulations, their intended purpose and functionality, taking into account the general guidelines included in this manual, as well as the technical parameters and detailed guidelines provided for each membrane on the packaging.

If you are interested in our products, visit our website [www.corotop.com.pl](http://www.corotop.com.pl) to correctly select a membrane for your building.

## TRANSPORT AND STORAGE

- The membranes should be transported using covered means of transport in packages of the producer, on pallets or in containers.
- All membranes should be stored in enclosed, dry and well-ventilated rooms of non-aggressive atmosphere, in positive temperature and air humidity not exceeding 60%.
- The membranes must not be exposed to direct sunlight.
- The membranes should preferably be stored in the vertical position, on a levelled, hardened, smooth and clean surface.
- They must not be stored in passages and within a distance less than 1m from active heating devices.
- The membranes should remain in their original packaging until installation.

# PREPARATION FOR INSTALLATION

- ▀ The manufacturer will not be held responsible for defects of the membranes caused during transport not carried out by the manufacturer, as well as storage of the products in improper conditions.
- ▀ The roof membrane must not be directly exposed to wood impregnates.
- ▀ In order to avoid damaging the membrane during installation, the timber roof truss and its connectors should be smooth, free from burrs and sharp edges.
- ▀ Before installation, check all rolls of membranes for previous damage.

## IMPORTANT

In case of noticing damage on the membrane or other visible abnormality, do not use it and discuss removal of the irregularity with the vendor.

Installation of the membrane will be equivalent to acceptance of the visual quality of the membrane and lack of damage caused during transport or storage.

# MEMBRANE INSTALLATION TECHNICAL REQUIREMENTS

The manufacturer will not be responsible for installation defects or defects of the membrane caused by incorrect installation.

A correctly installed membrane must be level (without folds or cavities, in which water could accumulate), tightly fixed at the ends and all places where the continuity is interrupted.

The lower ends of the membranes must guarantee constant draining of water accumulated due to leaks and condensation outside the insulated area.

Therefore, pay special attention to correct installation of the membrane in critical places such as: the hood, the roof valley, the chimney and other elements passing through the roof, to prevent leaks into the structure and the thermal insulation.

The installation must be carried out in accordance with the technical design of the building and the rules of art, as well as officially accepted by an authorised person, e.g. the construction manager.

## SELECTION OF MEMBRANES IN RELATION TO THE PITCH ROOFS

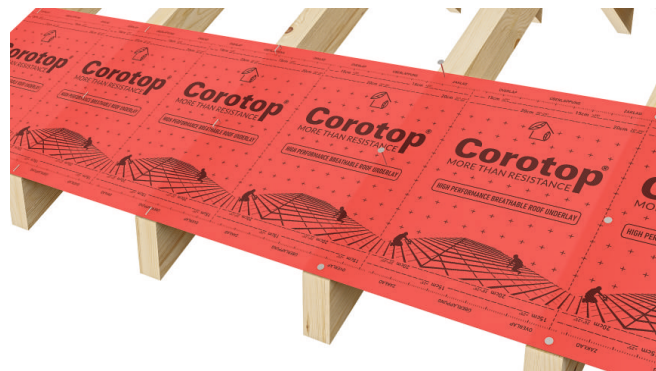
ROOF PITH	5 - 10°	11 - 14°	15 - 20°	21 - 25°	26 - 35°	>35°
WEIGHT	330g	≥200g	≥180g	≥160g	≥140g	all COROTOP membranes
PRODUCT NAME	COROTOP MONO	COROTOP X-TREAM  COROTOP PURE  COROTOP ULTRA  COROTOP ULTIMATE  COROTOP POWER  COROTOP MONO	COROTOP RED STRONG  COROTOP X-TREAM  COROTOP PURE  COROTOP ULTRA  COROTOP ULTIMATE  COROTOP POWER  COROTOP MONO	COROTOP STRONG  COROTOP EXTRA PROTECT  COROTOP RED STRONG  COROTOP X-TREAM  COROTOP PURE  COROTOP ULTRA  COROTOP ULTIMATE  COROTOP POWER  COROTOP MONO	COROTOP BLUE  COROTOP STRONG  COROTOP EXTRA PROTECT  COROTOP RED STRONG  COROTOP X-TREAM  COROTOP PURE  COROTOP ULTRA  COROTOP ULTIMATE  COROTOP POWER  COROTOP MONO	COROTOP LIGHT  COROTOP SMART  COROTOP CLASSIC  COROTOP BLUE  COROTOP STRONG  COROTOP EXTRA PROTECT  COROTOP RED STRONG  COROTOP X-TREAM  COROTOP PURE  COROTOP ULTRA  COROTOP ULTIMATE  COROTOP POWER  COROTOP MONO
ADDITIONAL REQUIREMENTS	1. roofing material; 2. bonding of the membrane overlaps 3. sealing counter-battens (Corotop PUR)	1. roofing material; 2. bonding of the membrane overlaps 3. sealing counter-battens (Corotop PUR)	1. bonding of the membrane overlaps 2. sealing counter-battens (Corotop PUR)	1. bonding of the membrane overlaps	none	none

# MEMBRANE INSTALLATION GENERAL REQUIREMENTS

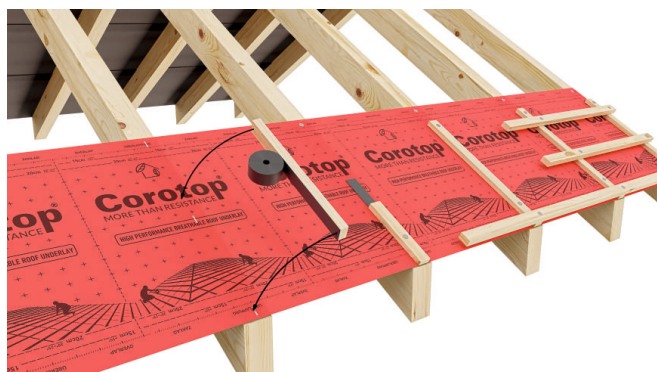
- 1. Unfold the membrane starting from the hood, positioned in parallel to it and with inscriptions pointing upwards, to allow water to freely drain under or into the gutter.



- 2. Slightly tighten the membrane and fix it to the rafters using staples and nails with wide heads (tacks).

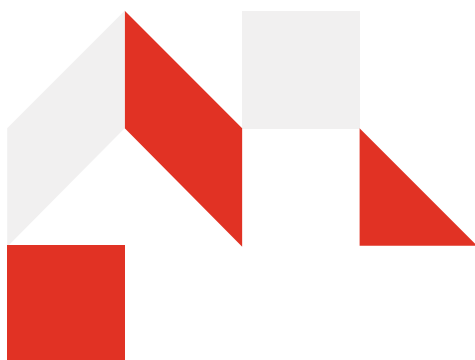


- 3. Nail the counter-battens in a way to cover the places where the membrane is punctured by staples or tacks. In order to seal the membrane, it is recommended (required in case of roofs of inclination less than 20°), before installation of a counter-batten, to apply a sealing tape (e.g. Corotop Pur) on the side that clamps the membrane.



The height of the counter-batten should be selected as per DIN 4108-3:1996

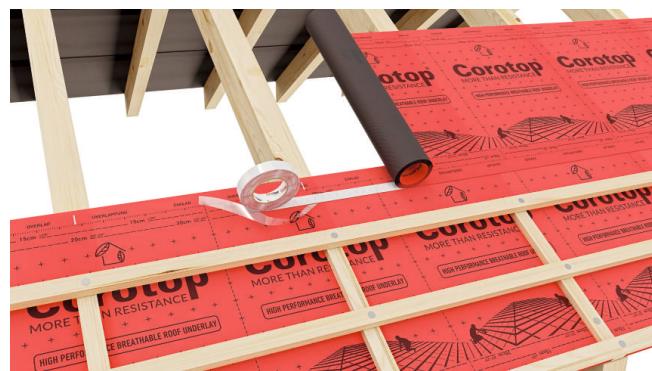
- 4. Further strips of membranes should be installed with an appropriate overlap, which is printed on the membranes.



# ROOF MEMBRANE INSTALLATION GENERAL REQUIREMENTS

5. Strips of the membrane at the ridge must be turned to the other side with a minimum 15cm overlap bonded using an adhesive tape (e.g. Corotop FIX or Corotop MIX) in a way to cover the ridge with a double membrane layer.

6. In order to eliminate draughts in the roof partitions, it is recommended (required in case of roofs of inclination below 25°) to bond the membranes at overlaps using a double-sided tape (e.g. Corotop Mix) or the adhesive strips integrated in the membrane and glued one to another (PLUS version). The temperature during gluing should be not less than +5°C, and the membrane, tape or adhesive strip should be clean and dry.



7. All places of interruption of the continuity of the membrane at elements protruding over the roof slope or places especially at risk of leakage (e.g. the valley) must be carefully protected against penetration of water to the structure and thermal insulation.



# FINISHING WORKS

- The maximum UV exposure time is indicated on the product label\*.
- It is recommended that the main covering is installed immediately after the membrane has been installed on the roof.
- A complete installation of an insulation and a casing from the inside of the roof should be carried out as soon after installation of the membrane as possible.  
If it is impossible (unusable attics), then the membrane, immediately after arranging, should be protected against daylight (dispersed UV radiation), e.g. by covering the windows or roof access windows.
- Any leaks and damage of the membrane must be fixed using repair tapes (e.g. Corotop BAND or Corotop FIX). (detailed solutions are provided in a separate appendix.)
- After the application of the membrane is complete, do not carry out any auxiliary works that could damage it (e.g. slate cutting).
- Corotop membranes may contact the thermal insulation.

# EXPLOITATION

Each membrane will fulfil its function provided that it is correctly installed, the thermal insulation or vapour barrier is uninterrupted and tight, the roof is correctly drained and ventilated, and insulated rooms are exploited in normal humidity conditions.

Due to UV radiation, the membrane must be protected against daylight in unusable attics.

\*refers to the annual average insolation; as the periodic insolation increases, the duration of maximum exposure to UV radiation decreases proportionally

