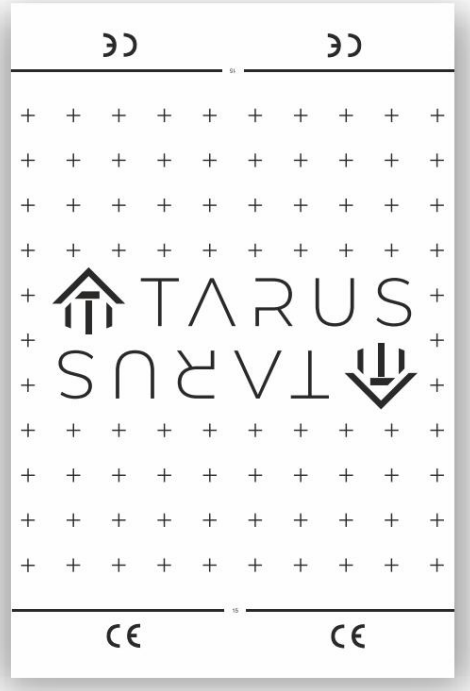
# TARUS VAPOR WHITE 20

STEAM BRAKE

TARUS
DODAVATEL PRO DŘEVOSTAVBY A STŘEŠNÍ KONSTRUKCE

- foil for vapor control in diffusion-open compositions
- regulates moisture passage
- prevents interstitial condensation in the insulation package




TOP product, 10-year system warranty

CE certification

- Airtightness Sd ~20 m
- Regulates moisture passage
- For diffusion-open structures

Recommended products:

- TARUS TAPE EXTREME/TOP/WIDE/CORNER
- TARUS TAPE ROOF
- TARUS BUTYL PRIMER
- TARUS TAPE EXTRA STRONG
- TARUS vapor barrier adhesive HD 525
- TAJIMA cutting knife
- TAJIMA cutting shears
- TAJIMA tape measure

## Use of TARUS VAPOR WHITE 20

**TARUS VAPOR WHITE 20** is a strong and robust vapour barrier, which is intended as a vapour barrier for structures of pitched roofs, ceilings, floors or walls of wooden buildings in diffusion-open compositions. This composition works on the principle of gas transmission by molecular transfer, commonly referred to as diffusion. In practice, this means that the structures do not use vapour barriers that prevent this process. Gases spread through space in two possible ways. By convection (flow), which is a volume flow driven by a pressure difference, or by conduction (molecular flow), which is diffusion.

The driving force of diffusion is the difference in mass or molar proportions. In construction, the most commonly considered penetrating gases are a mixture of dry air and water vapor. The diffusion-open structure of a wooden building wall therefore simply allows (diffuses) a certain amount of water vapor through the structure out of the building. This flow should not be imagined as a draft, but as the transfer of moisture at the molecular level from wetter to drier places and from warmer to colder ones.

**Advantages of diffusion-open structures**

1) Wandering moisture in the structure is not suitable for mold, fungi and various microorganisms, thus improving the quality of indoor air in wooden buildings.

2) Diffusion-open shell structures have better utility properties. Their accumulation capabilities and sound insulation properties achieve better values.

3) Wooden buildings using a diffusion-closed system have an indoor climate with relatively low air humidity. On the other hand, a diffusion-open system can absorb a certain amount of moisture when the humidity in the interior increases. When the humidity drops again, the absorbed moisture from the walls begins to evaporate into the interior.
Self-regulation of the humidity of the internal environment of wooden buildings thus occurs directly through the structure of their walls.

**TARUS VAPOR WHITE 20** is most often installed on interior walls parallel to the floor to avoid too many joints. Each joint or passage through the vapour barrier must be precisely taped over with **TARUS TAPE TOP** to prevent uncontrolled moisture leakage. When creating an installation gap in the walls, the spacer profiles (KVH 50x50 mm or CW and UW profiles) must be taped with **TARUS TAPE ROOF sealing tape.** In the case of window openings, the vapour barrier must be extended to the outside of the lining. When the wall meets the floor, the vapour barrier must be glued to the floor structure using **TARUS foil adhesive .**

When installing the **TARUS VAPOR WHITE 20** vapor barrier on a horizontal or sloping ceiling, it is necessary to use the double-sided adhesive tape **TARUS TAPE EXTRA STRONG.** and use **TARUS foil adhesive** to stick it to the gable walls.

**TARUS VAPOR WHITE 20** can also be used when implementing a structure with above-rafter insulation. In this case, the vapor barrier is placed on the outside on the visible layer (i.e. boards, Bioboard, gypsum fiber board, etc.) and other layers are mounted on the vapor barrier, i.e. hardened insulation, diffusion foil, counter-laths, battens and roof covering.

For each installation method listed here, the printing on the vapor barrier must face the worker performing the installation.

Composition: PP fleece, vapor-permeable layer, PP fleece
Packaging: 75 m² / roll width 1.5m / roll length 50m

Manufacturer: TARUS business services sro
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MORE INFORMATION:

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TARUS

# TECHNICAL DATA SHEET


## TARUS VAPOR WHITE 20

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| FEATURES | UNIT VALUE | | TOLERANCE | | TECH SPECS. |
|---|---|---|---|---|---|
| Weight per unit area | g/m $^2$ | 110 | -15 | 15 | EN 1849-2 |
| Length | m | 50 | | | EN 1849-2 |
| Width | m | 1.5 | -0.5% | 1.5% | EN 1849-2 |
| Thickness | mm | 0.4 | -0.1 | 0.1 | |
| Reaction to fire | (class) | E | - | - | EN 13501-1 |
| Vapor permeability (equivalent diffusion thickness Sd) | (m) | ~20 | | | EN 1931 |
| Tensile strength in longitudinal/transverse direction | (N/50mm) | *npd | | | |
| Elongation in longitudinal/transverse direction | (%) | ÿ50 | | | EN 12311-2 |
| Tear resistance in longitudinal/transverse direction | (N) | 100 / 135 | | | EN 12310-1 |
| Flexibility at low temperatures | (°C) | -20 | - | - | EN 13859-1,2:2010 |
| Hazardous substances | | *npd | | | |

*npd - no indicator determined

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