WOLFIN
BAUTECHNIK

BBA APPROVAL INSPECTION TESTING CERTIFICATION
TECHNICAL APPROVALS FOR CONSTRUCTION


# TECTOFIN – for reliable waterproofing

## The Roofing and Waterproofing Membrane System

TECTOFIN®

Henkel Quality for Professionals

# An innovative roofing membrane, the solution to your needs.

**Tried and trusted on site**
Many years of experience and a multitude of favourable properties have helped TECTOFIN RV become one of the most successful industry firsts in the last few years. Especially when used in new builds and for waterproofing large surface areas, this roofing membrane has proven its worth on site.

**Based on a patented formulation**
TECTOFIN is unique due to the patented formulation. It is based on ASA (acrylic synthetic rubber), a sophisticated material that has proven its worth in high-tech applications due to its favourable property profile. The acrylic synthetic rubber optimizes in particular the workability and durability of the membrane.

**TECTOFIN RV features the following properties:**

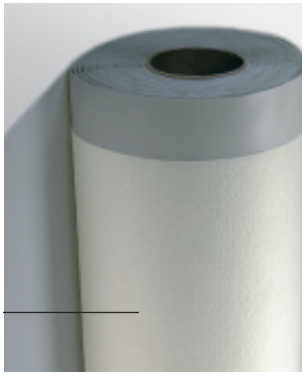
- High temperature and weather resistance
- Resistance to ozone and UV radiation
- TECTOFIN waterproofing membranes are extremely tearproof
- TECTOFIN membranes remain highly elastic and thus easily workable even at low temperatures
- They are suited for both hot-air and solvent welding
- The wide welding temperature range is very user-friendly
- TECTOFIN roofing membranes are bitumen-resistant
- TECTOFIN membranes are well suited for use under green roofs due to their resistance to plant roots and rhizomes (tested acc. to FLL guidelines)
- TECTOFIN is recyclable
- TECTOFIN membranes meet the requirements of DIN V 20000-201. In addition, TECTOFIN RV complies with DIN V 20000-202
- TECTOFIN membranes meet the requirements of BBA

**TECTOFIN RV** is a homogeneous, fabric-backed roofing membrane that features high robustness and good workability.

Since TECTOFIN RV is equipped with a particularly robust polyester fabric, it offers high stability and can resist very high tensile forces. It comes factory-finished with a fabric-free welding edge, thus facilitating reliable welding of the membranes with each other.

TECTOFIN RV is suitable for all installation techniques. It goes without saying that it has been CE certified. TECTOFIN RV is available in grey, titan grey and white.

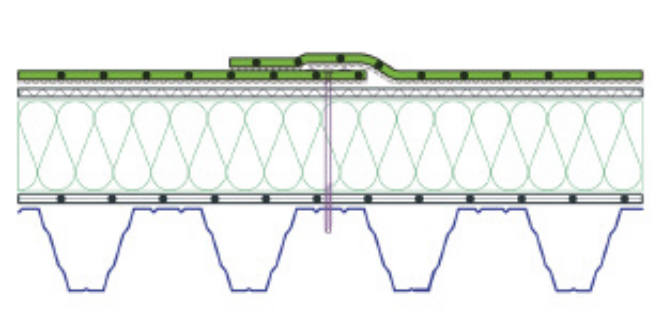
**No doubt:** TECTOFIN RV is a real top performer when it comes to ease of application and long service life.



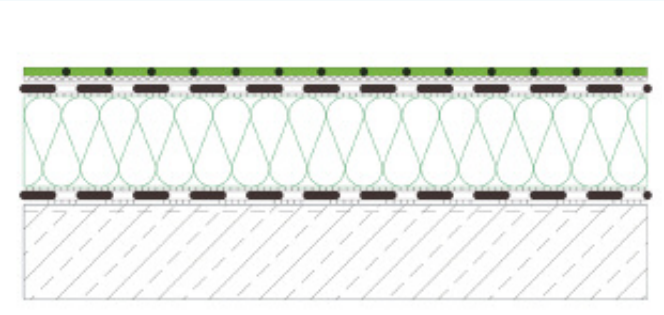
Robust polyester fabric

TECTOFIN RV

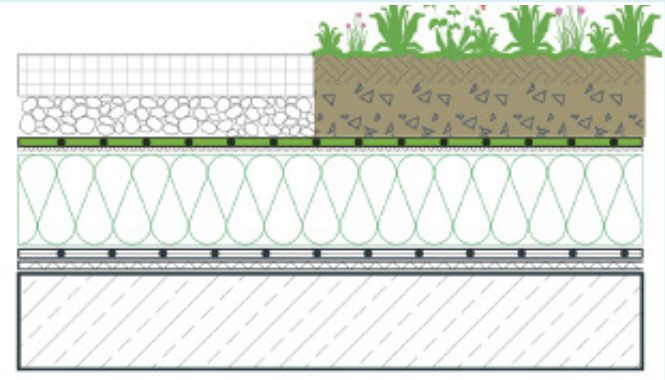
# Universal use for all installation techniques



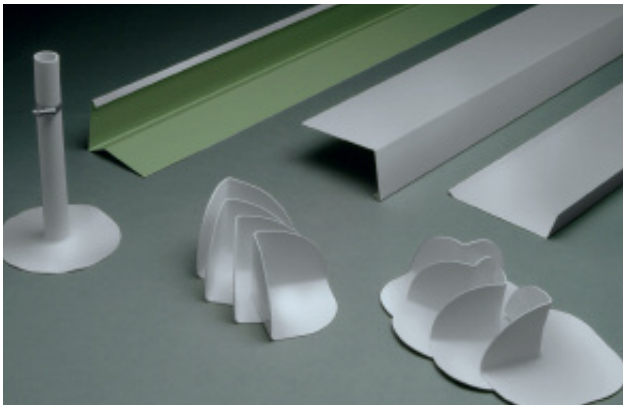
Mechanically fixed layer structure



Bonded layer structure



Loose lay (under protective ballast)



## Available TECTOFIN membranes

| TECTOFIN Product name | Thickness mm | Width mm | Length m | Area $m^2$/roll |
|---|---|---|---|---|
| TECTOFIN RV | 2.2 | 1,100 | 20 | 22.00 |
| TECTOFIN RV | 2.2 | 1,620 | 20 | 32.40 |
| TECTOFIN RV | 2.5 | 1,100 | 15 | 16.50 |
| TECTOFIN RV | 2.5 | 1,620 | 15 | 24.30 |
| TECTOFIN RV 2R | 2.5 | 1,140 | 15 | 17.10 |
| TECTOFIN RA duo (usable from both sides) | 1.5 | 1,100 | 20 | 22.00 |
| TECTOFIN R | 1.5 | 1,100 | 20 | 22.00 |
| TECTOFIN R – cutting (homogeneous membrane without fabric backing) | 1.5 | 150 | 20 | 3.00 |
| **TECTOFIN R – SYSTEM COMPONENTS** | | | | |
| • TECTOFIN R composite sheet plate 50 plates / pallet | | 1,000 | 2 | 2.00 |
| • TECTOFIN VBB roll, grey 4 rolls /pallet | | 1,000 | 30 | 30.00 |
| • Inner corners | 25 pcs / carton | | | |
| • Outer corners | 25 pcs / carton | | | |
| • Lightning rod protection tubes Tube length 25 mm | 5 pcs / carton inner Ø 22 mm, outer Ø 25 mm | | | |
| • TECTOFIN Liquid | white or grey | | | |
| **ADHESIVES** | | | | |
| TEROKAL 3958 | 5.4 kg canister / 9.5 kg bucket | | | |
| TEROKAL 914 (contact adhesive) | 10 kg canister | | | |
| TEROKAL 395 (expanding foam adhesive for insulation materials) | 750 ml can | | | |
| TEROKAL 400 (for bonding fleece backed roofing membranes) | 750 ml can | | | |
| **AVAILABLE COLOURS** | | | | |

grey | white | titan grey

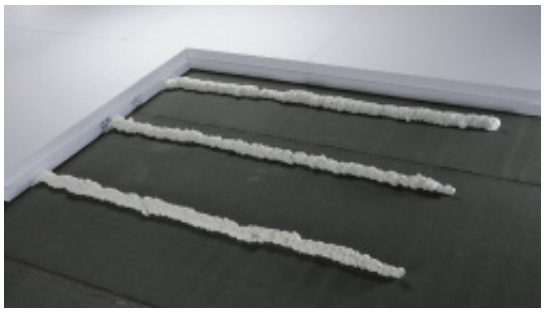
# The speedy roofing solution: TK 395 Foam Insulation Adhesive.

Terokal 395 has been specially designed for bonding thermal insulation materials on flat roofs. This is the future for fixing insulation materials on roof tops: faster, safer and cleaner. Try it out for yourself: Whether used on large surface areas or for bonding around structural details: Terokal 395 offers optimum application properties and ensures perfect results.

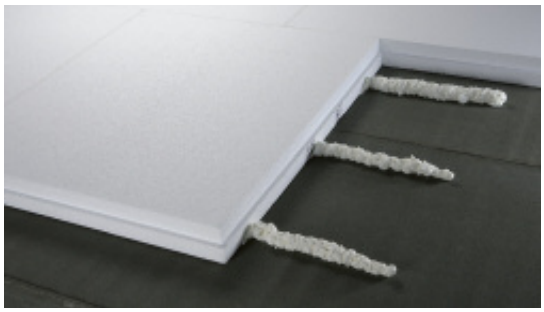
**Levels off uneven areas**
Due to the instant foam formation, Terokal 395 levels off any unevenness of the substrate. Extra safety that ensures optimal results.

**Works in cold weather**
Terokal 395 can even be applied at substrate temperatures down to -5 °C. Precondition: the can must have a temperature of + 5°C.

**Fills joints fast and reliable**
Joints and other structural details can now be filled much faster and with reliable results. Its thermal conductivity of 0.035 W/mK makes Terokal 395 the ideal partner for insulation materials.



Apply the adhesive beads, ...



... place the insulation board and press home – that's all.


# TK 400 – Another unique innovation from Henkel.

TK 400 was specially designed for bonding fleece backed roofing membranes: foam structure, foaming behaviour and durability are optimally matched to the bonding of roofing membranes.

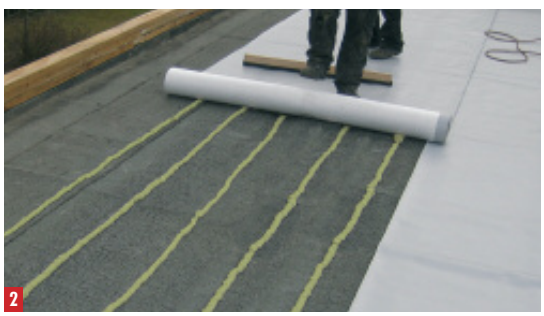
**Fast application**
Thanks to Foam Gun XL, application is not only comfortable for the back but also very economical. Just screw the can onto the gun – and off you go!

**High yield**
When applying three beads per square metre, one can of TK 400 is sufficient to cover up to 16 square metres.

**Low post-expansion**
The roofing membrane doesn't show any waves or bumps and adheres uniformly to the substrate.

**No migration of the adhesive**
Thanks to the special foam structure, TK 400 does not penetrate through the porous fabric up to the waterproofing layer. As a result, no adhesive beads and lumps stand out through the membrane. Also, there is no more direct contact between the bitumen surface and the membrane. This means: no more risk of non-compatibility or discoloration.

1 To ensure a reliable bond with the substrate, apply at least 3 uniform strips of adhesive per m².



2 Afterwards, roll the roofing membrane into the still soft foam and press vigorously down with a soft broom. If the foam continues to expand after application, press the membrane down again.

## TECHNICAL DATA TECTOFIN RV

**Refer to EN 13 956 and EN 13 967**

| Property | Standard | Unit | Result | Results per type ** | |
|---|---|---|---|---|---|
| | | | | RV 2.2 mm | RV 2.5 mm |
| Visible defects | EN 1850-2 | – | passed | passed | passed |
| Length | EN 1848-2 | m | MDV | 20 | 15 |
| Width | | m | MDV | 1.1 / 1.62 | 1.1 / 1.62 |
| Straightness | | mm | MLV | ≦ 50 | ≦ 50 |
| Flatness | | mm | MLV | ≦ 10 | ≦ 10 |
| Mass per unit area | EN 1928 B | kg/m² | MDV | 1.65 | 2.0 |
| Effective thickness | | mm | MDV | 1.2 | 1.5 |
| Watertightness | EN 1928 B | kPa | MLV | passed | passed |
| External fire protection | ENV 1187 | – | Attachment E | $B_{ROOF}$ (t1)* | $B_{ROOF}$ (t1)* |
| Reaction to fire | EN 13 501-1 | – | s. 5.2.5.2 | E | E |
| Joint peel resistance | EN 12 318-2 | N/50 mm | MLV | ≧ 250 | ≧ 250 |
| Joint shear resistance | EN 12 317-2 | N/50 mm | MLV | ≧ 500 | ≧ 500 |
| Tensile strength | EN 12 311-2 | N/50 mm | MLV | ≧ 600 | ≧ 600 |
| Elongation | EN 12 311-2 | % | MLV | ≧ 10 | ≧ 10 |
| Resistance to impact | | | | | |
| Method A | EN 12 691 | mm | MLV | ≧ 500 | ≧ 600 |
| Method B | EN 12 691 | mm | MLV | ≧ 500 | ≧ 600 |
| Resistance to static loads | EN 12 730 B | kg | MLV | ≧ 20 | ≧ 20 |
| Durable watertightness against ageing | EN 1296 acc. to EN 1928 | – | passed | passed | passed |
| Durable watertightness against chemicals | EN 1847 acc. to EN 1928 | | passed | passed | passed |
| Nail tear resistance | EN 12 310-1 | | | ≧ 500 | ≧ 500 |
| Tear resistance | EN 12 310-2 | N | MLV | ≧ 250 | ≧ 250 |
| Resistance to root penetration | EN 13 948 | | passed | passed | passed |
| Dimensional stability | EN 1107-2 | % | MLV | ≦ 1.0 | ≦ 1.0 |
| Foldability at low temperatures | EN 495-5 | °C | MLV | ≦ -20 | ≦ -20 |
| UV exposure | EN 1397 | visual | passed | passed | passed |
| Hail resistance | EN 13 583 | m/s | MLV | ≧ 25 | ≧ 25 |
| Water vapour properties | EN 1931 | – | μ = MDV o. 15,000 | 20,000 ± 5,000 | 20,000 ± 5,000 |
| Exposure | EN 1548 | – | passed | passed | passed |

Information for users:

* Please contact the manufacturer for information on the tested system structures

** Values obtained in as-new condition

Explanations:

MDV = Manufacturer's declared value
MLV = Manufacturer's limiting value

CE

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The data is subject to change due to technical progress.

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