

# **RESITRIX<sup>®</sup>**

WATERPROOFING MEMBRANES



**Rapid Installation –  
Sealed for Life**

# RESITRIX® Rapid Installation – Sealed for Life

Permanently flexible  
and highly resistant to UV  
and the effects of  
weather due to the  
cross-linked molecular structure  
of RESITRIX®



## RESITRIX® MATERIAL PROPERTIES

Highly elastic and completely resistant to UV, Infra Red and extreme weather conditions



### MATERIAL COMPOSITION

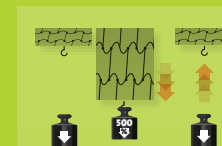
Waterproofing membranes can only ever be as good as the materials from which they are made. Highly flexible RESITRIX® single-ply membranes combine all the advantages of polymer modified bitumen with the excellent properties of EPDM. This totally unique, patented material composition of RESITRIX® guarantees a life-long seal, whilst allowing very fast, simple and secure installation.



### EFFECTS OF SUNLIGHT AND WEATHER

A RESITRIX® roof can permanently withstand the most diverse weather conditions, hostile atmospheric influences and extreme variations in temperature. The synthetic rubber EPDM upper surface of the RESITRIX® membrane is manufactured with a highly stable, cross-linked molecular structure, which makes RESITRIX® completely unaffected by UV, weathering and atmospheric influences of any kind: Wind, rain, sunlight, heat, cold and freeze/thaw cycles, have no effect on the waterproofing membranes, making RESITRIX® the most durable and reliable material solution for your roof. RESITRIX® is highly resistant to ageing and maintains its outstanding properties throughout its entire service life.

In 1963, messrs. Natta and Ziegler were awarded the Nobel Prize for their success in developing the method and process for the industrial production of EPDM. This made it possible to use this highly resistant material for the weather exposed layer of RESITRIX®.



### TENSILE STRESS

Due to its cross-linked molecular structure, RESITRIX® is extremely flexible. The material retains a tear elongation factor of 500% and still returns completely to its original dimensions. Thus RESITRIX® is capable of withstanding a lifetime of the most extreme mechanical stress and tensile strains, to which flat roofs are typically exposed.



### LIFE EXPECTANCY

RESITRIX®-waterproofing membranes have proven their superior quality, versatility and ease of installation for more than 35 years. During this time, over 50 million square metres have been successfully installed worldwide, including at the most exposed locations and latitudes.

In a comprehensive long-term study, the SKZ Test Centre in Würzburg, the institute designated by the European Union for testing waterproofing membranes, has verified that RESITRIX® has a Life Expectancy in service, greater than 50 years – more than double that of a normal roof. In addition, RESITRIX® is the only product, where this study has also been completed on the welded laps.

SKZ

## RESITRIX® AREAS OF APPLICATION

Installation in a wide variety of applications in all climates, on new buildings and refurbishments



### INDUSTRIAL BUILDINGS

- / 200 m² to 200,000 m²
- / Suitable for all structure types
- / Highly resistant to chemicals and environmental emissions



### PUBLIC/COMMERCIAL BUILDINGS

- / Low maintenance intervals
- / Permanently outstanding appearance
- / Suitable for almost every type of substrate



### PRIVATE HOUSING

- / For flat or pitched roofs
- / Also on balconies, dormers, garages and workshops
- / No maintenance required
- / Lasts for a lifetime



### GREEN ROOFS

- / For extensive and intensive roof vegetation projects
- / Carries FLL root-safe certification

## RESITRIX® Service

In our RESITRIX® technical department, you have a reliable and experienced partner at your side who will support you with all applications, installation techniques and the specific requirements of your individual roofing project.

This includes individual on-site support, help with detailing, site inspections and reports, technical calculations, CAD-drawings and the preparation of specifications. Additionally we provide free training for roofing contractors when installing RESITRIX® and comprehensive on-site assistance during execution of the roofing work. Using our own in-house test laboratory, we can also offer wind uplift calculations and adhesion testing etc.

## RESITRIX® INSTALLATION

Safe, simple and rapid installation



### HOT-AIR WELDING

- / Permanently high-security welded laps
- / RESITRIX® can be installed with confidence after a short training session
- / Laps are welded with hot-air – no naked flames required
- / Temperature variations are eliminated as a potential source of error
- / Wide temperature 'window' for welding, 500°C - 620°C
- / Visible welding beads give instant confirmation and guarantee 100% reliable laps that are sealed for a lifetime



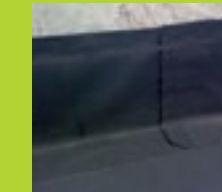
### SUITABLE FOR VIRTUALLY EVERY SUBSTRATE TYPE (excludes)

- / Comprehensive chemical compatibility
- / The entire surface of the RESITRIX® sheet is weldable, not just the edges
- / Suitable for overlaying bituminous substrates
- / Detail flashings can be easily cut from the roll, to the required shape
- / No material wastage – all offcuts are reusable
- / Apart from the RESITRIX®, no additional accessories are needed



### JUNCTIONS AND DETAILING

- / RESITRIX® is quick and easy to install, even at geometrically complex and demanding junctions
- / Flexible and comfortable handling with hot-air handgun
- / Individual detailed drawings available from RESITRIX® technical department
- / Range of pre-cut flashing components and patches available



### NO SHRINKAGE

- / RESITRIX® is permanently dimensionally stable
- / No mechanical edge restraint required
- / No 'trampoline' effect
- / No dangerous additives, chlorine or plasticisers
- / No Shattering-effect

## Environmental Credentials

We attach great importance to limiting environmental impact due to the manufacture (utilisation of resources and limitation of emissions) and use of RESITRIX®, throughout its entire life cycle. We therefore comply with ISO 14001 (environmental management systems) and all RESITRIX® waterproofing membranes are subject to external and internal monitoring in accordance with the requirements of the U.E.A.t.c. guidelines.

RESITRIX®: Rapid Installation – Sealed for Life

## RESITRIX® PRODUCT RANGE

### CL / PREFERABLY FOR PU-ADHESION

## RESITRIX® CL

RESITRIX® CL is the classic EPDM waterproofing membrane for hot and cold bonding applications, preferably for PU-adhesion. For decades, it has consistently proven itself in practice, on tens of thousands of flat roofs.

### SK / SELF-ADHESIVE SYSTEMS

## RESITRIX® SK PARTIAL BOND

RESITRIX® SK PARTIAL BOND the 3-in-1 waterproofing membrane. RESITRIX® SK Partial Bond is a partially self-adhesive, heat-weldable EPDM waterproofing membrane, that allows permanent dissipation and equalisation of pressure. It is therefore particularly advantageous for substrates that are prone to movement or which contain residual moisture.

## RESITRIX® SKW FULL BOND

RESITRIX® SKW FULL BOND is a fully self-adhesive and root resistant heat-weldable EPDM waterproofing membrane, which carries FLL root safe certification. RESITRIX® SKW Full Bond can be installed in a variety of applications, either fully exposed or beneath roof gardens and living roof systems.

### MB / MECHANICALLY FIXED

## RESITRIX® MB

RESITRIX® MB is a heat-weldable EPDM waterproofing membrane especially used for mechanically fixed applications. RESITRIX® MB complies fully with all requirements of FM Approval Standard Class No. 4470.

### SR / GREY FOR LIGHT COLOURED ROOFS

## RESITRIX® SR

RESITRIX® SR is a light grey coloured, self-adhesive, hot-air weldable EPDM waterproofing membrane. Due to the grey colour, RESITRIX® SR offers new aesthetic design options and additionally has solar reflective properties.

For more information please visit

WWW.RESITRIX.COM

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YOU WILL FIND MORE INFORMATION AND THE INDIVIDUAL CONTACT DETAILS OF YOUR PERSONAL RESITRIX® CONTACT PERSON ON OUR WEBSITE. SIMPLY PHOTOGRAPH THE CODE ABOVE WITH THE QR-READER OF YOUR MOBILE PHONE.

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