



Roofex® 2000

Ready-to-use Single Component Elastomeric Acrylic Based Waterproofing Coating

Product Properties

- Ensures economical durable & optimal waterproofing & protection for exposed roofs, pitched roofs, balconies, terraces, sunshades, etc.
- Thixotropic cold applied component
- Elastic material hence provides good crack bridging.
- Highly economical due to supply in a ready to use form and no wastage of material
- Good UV resistance.

Areas of Application

- Suitable for waterproofing of new surfaces as well as for the repairs of old untreated surfaces
- Suitable for well sloped horizontal as well as vertical surfaces like flashings, roof slabs, terraces, balconies, sunshades, parapet walls, roof edgings, gully's, steeply pitched roof designs, etc.
- Provides additional waterproofing and protection when used as base and/or intermediate coat in brickbat coba, and / or IPS floorings.
- Is optimally suitable for application on structures having complicated geometry like domes, arches, shells, folded plates, paraboloids, corrugated sheets etc.

Application Notes

General

An effective and reliable waterproofing and protection system is of utmost importance in any structure exposed to extreme weather conditions, sudden and irregular temperature variations strongly polluted industrial influences, rain etc.

Roofex®2000 is a unique coating system, specifically developed to ensure economical, durable and optimal waterproofing in protection of roofs, balconies, terraces, sunshades etc. **Roofex® 2000** is a thixotropic, cold applied, elastic material on a polymer base, for use on vertical as well as well-sloped horizontal surfaces. Upon curing, **Roofex® 2000** forms a seamless and joint free, watertight, flexible and elastic membrane, thereby making the treated surfaces absolutely impervious to water. By virtue of its formulation, the cured membrane is resistant to ultraviolet radiations and exhibits excellent resistance to aggressive attacks from industrial pollution. Due to it's off white colour solar reflection is improved thereby increasing the insulation capacity of the roof. **Roofex® 2000** is a resistant to the growth of microorganisms, roots, fungus, etc. The flexible and elastic properties of **Roofex® 2000** ensure the safe bridging of surfaces subjects to hairline cracking.

Advantages

After curing **Roofex® 2000** forms a membrane that is flexible, elastic and watertight. Also, it is highly economical due to supply in a ready-to-use form and no wastage of the material. **Roofex® 2000** is lightweight compared to conventional roofing systems thereby loading on the roof is reduced and provides seamless and joint free seal throughout the surface, which is impervious to water. No machinery or equipment is required for application, making it easy to apply and economical.

Roofex® 2000 improves insulation due to solar reflection and shows excellent bonding to most building materials, such as concrete, screeds, plaster, bricks, sand lime bricks, roof tiles

asbestos, weathered roofing felts, bitumen, asphalt coatings, etc. No melting, welding or hot air sealing is involved in application. As far as the material is concerned, **Roofex® 2000** needs no heating, dilution or any other pre-application preparations. However, good surface preparation is a must.

Instructions for use

The surface to be waterproofed must comply with the principles of the building construction and should fulfill the structural requirements, **including properly designed slopes to avoid stagnation of water**. Any cracks, potholes, expansion joints, etc. should be properly sealed and cured. The surface to be waterproofed must be firm, clean, and free from fats, oils, grease, dust or any other contaminations. Masonry joints must be flush jointed. For severe leakage use **MC-Fast ST** to fix leakages before application of **Roofex® 2000**. All absorbent surfaces like concrete, plaster, screed, bricks, weathered roofing, felts, bitumen coatings etc. normally require a priming coat with **Primex 150** (for bitumen surfaces) or **Primex 250** (for all other absorbent surfaces), prior to application. **Roofex® 2000** should be thoroughly stirred to ensure a homogeneous and thick consistency. **Roofex® 2000** should be applied in two or more layers depending upon the surface conditions and degree of protection required. **Primex 150** and **Primex 250** as well as **Roofex® 2000** should not be applied at temperature below 5°C or in the presence of rain or snow and the applied layers should also be protected until hardening from rain, snow and frost. All tools, including brushes, rollers, squeezes, etc. used to apply **Roofex® 2000** should thoroughly be cleaned with clean water immediately after the work ceases.

The application and number of layers will vary from structure to structure, based on the local and individual site conditions, degree of protection and waterproofing required, but can generally be based on the guidelines given below.

Further Instructions / Precautions

Application guidelines

Waterproofing of exposed Roofs and Terraces: Prime the surface with Primex 250 consumption approx. 100 g/m². On the primed and cured surface, apply one coat of Roofex® 2000 with a broad brush or roller at approx. 650 g/m². Allow about 6 hours (at 20°C) for Roofex® 2000 to cure. Minimum 2 coats are recommended to achieve 1mm thickness but for severe conditions, three or more coats are required to achieve desired results

- Waterproofing of New Balconies on Sunshades: Prime the surfaces with Primex. Apply 3 coats of Roofex® 2000
- Repair the Waterproofing of old Roofs, Terraces, Terrace gardens, swimming pools, basements etc.: Prepare the surface as described above. Prime the surfaces with Primex250. Apply 3 coats of Roofex® 2000. In case of terrace- garden, swimming pools, basements etc. and additional coat of Dichtament® DS / DS2 system is necessary. Please request for specifications

Application of Roofex® 2000



Technical Data for Roofex® 2000

Characteristic	Unit	Value	Comments
Density	g/cm ³	1.45	±0.03
Minimum application temperature	°C	Above 5	
Consumption:	Primex 250 Roofex® 2000	g/m ² g/m ²	75 - 100 650
			Approximately for primed Surface Per Coat at 333 Micron DFT (Min 3 Coats Recommended to achieve 1mm thickness)
Touch-dry	Hour	1	At 20°C., 50% R.H
Hardening Time	Hours	48	At 20°C, 50% R.H
Temp. Resistance	°C	-20 to +100	
Solid Content	%	76%	
Flash Point			Non inflammable
Shore A Hardness		30	As per DIN 53505
Breaking Elongation	%	82	As per DIN 53504
Shrinkage After Hardening, aging			None
Water Tightness			Excellent
Chemical Resistance, Insulation			Good
Root Proofing and Solar Reflection			Excellent

Product Characteristics for Roofex 2000

Type of Product	Acrylic Polymer based one component waterproofing elastomeric membrane
Form	Paste-like Thixotropic. Non flowing on vertical surfaces
Colour	Off white
Shelf Life	6 Months from date of Manufacture
Delivery	Roofex® 2000 – 40 Kg pails, Primex 150/250 – 30 kg pails
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose of carefully to protect our Environment

Safety Advice

Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

Note: - The information on this Data Sheet is based on our experiences and correct to the best of our knowledge. It is However, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our Data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are binding if given in written form. The accepted engineering rules must be observed at all times.

Edition: - MC/IND/R0/Feb2023 Some Technical Changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.