

TKROM CUBIERTAS FIBRA



PRODUCT DESCRIPTION

Asphalt free waterproof coating based on a self-crosslinking acrylic emulsion which, when dry, provides a continuous thick coating that prevents any water seeping into surfaces protected by it. Its flexibility and tensile strength means that it adapts to all types of irregularities. It perfectly withstands expansions and contractions of the treated surface. The addition of glass fibres in its formulation forms a dense mesh of filaments, minimising crack formation on treated surfaces.

PRODUCT WARRANTY

Please check the conditions of the product warranty in the warranty table of our [Catalog](#).

CONTAINER	SIZE
Plastic	15 L

USES / SCOPE OF APPLICATION

- Due to its high alkalinity and water resistance and extraordinary flexibility and durability, as well as its resistance to expansion and contraction movements, and good adhesion and lightfastness properties, TKROM ROOFING is the perfect product for preventing water seepage, particularly on horizontal surfaces..
- For outdoor use.
- Cement mortar.
- Asphalt fabric.
- Brick.
- Catalan thin brick.
- Concrete.
- Balconies.
- Roofs.
- Terraces.
- Walls.
- Partition walls.

CHARACTERISTICS / BENEFITS

- Great elasticity, does not crack or creates fissures with the contractions and dilations of the medium caused by temperature changes.
- Completely waterproof.
- Anti-carbonation.
- Good resistance to water.
- Good adhesive properties.
- Passable in limited access areas (improved, if reinforced with fibreglass).

PRODUCT PROPERTIES

APPEARANCE OF THE DRY FILM	VALUE	STANDARD	REPORT
COLOUR	Blanco y colores s/muestra		
FINISH	G3MATE	UNE-EN 1062-1	
GLOSS 85º	2-4	UNE-EN ISO 2813	
CHROMATIC COORDINATES, L*	90 a 92	UNE 48073	
CHROMATIC COORDINATES, a*	-1,0 a -0,8	UNE 48073	
CHROMATIC COORDINATES, b*	2,3 a 2,5	UNE 48073	
BERGER WHITENESS	68-70	UNE 48073	
OPACITY	52-54%	UNE-EN ISO 6504-3	

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PHYSICAL PROPERTIES	VALUE	STANDARD	REPORT
DENSITY	1,36-1,40 g/ml	UNE-EN ISO 2811-1	
pH	8,5-9,2	ENSAYO INTERNO	
VISCOSITY (ISO)	45000-47000 (mPa.s) (20 rpm, husillo R6)	ASTM D 2196-10	

REFERRING TO ITS FORMULATION	VALUE	STANDARD	REPORT
CONTENT IN NON-VOLATILE MATERIAL (MASS)	60-62%	UNE-EN ISO 3251	
CONTENT IN NON-VOLATILE MATERIAL (VOLUME)	46-48%	UNE-EN ISO 23811	
MAXIMUM ADMISSIBLE COV CONTENT	140 g/L	2004/42/II A clasificación	
MAXIMUM ADMISSIBLE COV CONTENT IN THE PRODUCT	20 g/L	2004/42/II A clasificación	

APPLICATION PROPERTIES	VALUE	STANDARD	REPORT
THEORETICAL YIELD	1 kg/m2 a 300µm secas	UNE-EN ISO 23811	
1st COAT THINNING	<3%		
THINNER	AGUA		

MEDIUM CONDITIONS

If outside, do not apply if rain is forecast, in strong midday sun or on very humid days.

CONDITION	VALUE
Substrate temperature	Between 5°C and 35°C.
Ambient temperature	Between 5°C and 35°C.
Substrate humidity	Dry medium surface with humidity < 10%
Dew point	The substrate must be at least 3º above the dew point to reduce the risk of product detachment or efflorescence of the coating on walls and floors due to condensation. In high ambient temperature and low relative humidity conditions, the probability of efflorescence in the finish increases.

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MEDIUM PREPARATION

NON-PAINTED OR NEW SURFACES

MASONRY:

a) Concrete:

- If the surface is made of new concrete, ensure that the medium is properly clean and dry, and that it has cured in the air for the necessary amount of time (at least three weeks). If the surface has a disintegrated or dusty appearance, first apply a coat of TKROM F1 PENETRATING FIXATIVE (TDS-5907), according to the application and dilution instructions provided on technical data sheet TDS-5907.

b) Tiles or slabs:

- If the floor is made of aged tiles or ceramic slabs, follow the surface consolidation instructions.

IRON OR STEEL:

- First, apply a coat of TKROM Synthetic Anti-corrosion Primer TDS-6218 or TKROM Electrolytic Minium TDS-6205.

LIGHT METALS AND GALVANISED PLATE:

- Degrease vigorously.
- Next, apply two coats of TKROM CUBIERTAS FIBRA, adding a glass fibre mesh between coats to achieve a minimum thickness of 2 mm and a maximum of 3 mm.
- To achieve the minimum recommended thickness, the product's yield should be 2 kilos per square meter, which is equal to 1.5 l/m².
- Floors may be walked on 24 hours after application.
- If desired, surfaces waterproofed with TKROM ROOFING may be coated with a layer of fine sand, and concrete mortar or tiles.

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ALREADY PAINTED SURFACES

Old continuous layer waterproofing:

Touch up any cracks and fissures with TKROM FIBRE ROOFING mixed with washed fine sand, in a 2:1 ratio, applied using a flat trowel, or with TKROM 2C ANTI-DRIP TDS-5603, in the same way. Next, once the treatment is dry, apply a general coat of TKROM FIBRE ROOFING to the entire surface, ensuring that it is applied in the same direction throughout the operation.

- To achieve good levels of waterproofing, place a mortar mesh or fibreglass mesh between the first and second coats of TKROM FIBRE ROOFING. Subsequently, making sure that the mesh that has been put in place is not altered or moved, and that the first coat of TKROM FIBRE ROOFING is not dragged, apply a second coat of TKROM ROOFING, at 90° to the direction used for the first coat. This second coat achieves the desired thickness and a minimum of 2 mm.
- It is also equally important to waterproof the vertical walls, at least up to a recommended height of 15 to 20 cm. If these walls could contain numerous cracks or imperfections, they should be treated in an identical way to horizontal surfaces, in terms of cleanliness, surface consolidation and application.

Damaged and leaking asphalt fabrics:

- Asphalt contains volatile particles which can cause exudation and slight discolouration without affecting its properties. Care should be taken regarding moisture; care should also be taken with trapped air, and roughness and the finish should be checked prior to starting coating work. Always use a glass mesh reinforced system. In general, pressurised water should be used for cleaning, and a suitable biocide product should be used as required. All cracks should first be sealed with TKROM FIBRE ROOFING, to secure the waterproofing.
- Subsequently, once this application has dried fully, apply two coats of TKROM FIBRE ROOFING, protruding at least ten centimetres from the join of asphalt fabrics protruding from the union of asphalt fabrics, as previously indicated for painted surfaces. If you suspect possible failures in the fabric in areas other than joins, thoroughly clean the entire surface and proceed as indicated for new surfaces.

Bituminous membrane:

- Clean with pressurised water and remove any dirt or mould. Apply a coat of TKROM FIBRE ROOFING direct primer. In general, replace any bituminous membrane that is in a poor condition. Treat blisters by opening and removing the trapped water. Dry and install a fibreglass patch with TKROM ROOFING. Next, apply the waterproofing system

Metal media:

- Due to the surface treatment of some metallic profiles, consult the steps to be taken in advance. When working with ferrous or galvanised metals, copper, lead, aluminium, stainless steel or tin, all dirt and rust should be removed. Once clean, the waterproofing system may be applied. Overall, where possible, abrasive treatment should be used until metal surfaces can be seen and are shiny. Prime if necessary and strengthen joints and fastenings. Next, apply the waterproofing system.

Stone, brick, slate or tiles:

- Clean under pressure and use a biocide if necessary. Follow conventional preparation procedures. In the cases of slate or tiles, treat with a special reinforcement before applying the system.

Plastics:

- Apply the waterproofing system directly. An adhesion test is recommended before applying the treatment.

Paints:

- Application on paints is not recommended. Paint should be removed using a water jet or by sand blasting.
- The quality of the old coatings is important. Its adhesion should not be less than 0.7 N/mm², and the average sampling value should be in excess of 1 N/mm² (ISO 1504-2).

Deficient adhesion:

- Use suitable mechanical equipment to remove the old paint. The underlying material must be properly prepared for the application of the new top coat.

Correct adhesion:

- Thoroughly clean the entire surface with a jet of pressurised steam or water.

SPECIAL CHECKS IN THE FOLLOWING CASES:

Concrete:

- The condition of the paint must meet the requirements of concrete standard ISO 1504-2, in terms of the aforementioned coating performance.

Mortar and plaster on masonry:

- The condition of the substrate must meet mortar standard UNE-EN 998-2. According to the specifications of this standard, its adhesion value must adapt to that specified for the CE marking of the manufacturer. It should never be less than 0.2 N/mm². The average value should be 0.3 N/mm².



APPLICATION SYSTEM

SYSTEM	PRODUCT	THEORETICAL YIELD	DILUTION	COATS
PRIMING	TKROM FIBRE ROOFS DILUTED	1.5 m ² /L.	3:1 WATER	1
FINISH	TKROM FIBRE ROOFS	0.7 m ² /l per coat (minimum final thickness of 1.5 mm)	NO THINNING	2

APPLICATION PROCESSES

PROCESS	INSTRUCTIONS
PRODUCT PREPARATION	· Stir until the mixture is properly homogenised.
APPLICATION	<ul style="list-style-type: none"> · It can be applied with a brush, roller or spray gun. · The product can be applied with a brush, short hair roller or sprayed with an airless paint sprayer. · The second coat of the product should be applied perpendicular to the first coat to obtain ideal opacity. · When spraying with an airless paint sprayer, use the following: pressure at ~150 bar or maybe less. · Nozzle ~0.38-0.53 mm and an application angle of ~50°-80°. · High spray pressure is not required due to the product's thixotropic properties.
TOOL CLEANING	· Clean the tools with water immediately after use.

WAIT TIMES

Drying at 20°C and 65% relative humidity: The product is touch dry after 4-8 hour and can be painted over after 24 hours.

SAFETY

Users should refer to the labelling and the latest version of the product's Safety Data Sheet for any information regarding safety issues related to use, storage, transport and waste disposal. The Safety Data Sheet contains all of the physical, environmental and toxicological data on the product, and information on all other issues related to this topic.

SAFETY SHEET	LER CODE	WASTE TYPE
MSDS-5610	08 01 12	NON-HAZARDOUS

STORAGE

When kept in its original unopened container at room temperatures below 30°C and above 5°C, the product will remain stable for 24 months from the date of manufacture.

It should be stored in a cool, dry place, in its original properly sealed and undamaged container, protected from frost and direct sunlight.

TARIFF HEADING

TARIC code: 3209 10 00

Note: The data presented in this technical data sheet may be modified based on possible changes in formation. In any case, values are provided for information purposes only, and the suitability of the product for a certain job should always be tested.

