



ChovA

SISTEMAS DE IMPERMEABILIZACIÓN
Y AISLAMIENTO

CHOVAPUR IMPER 202

TECHNICAL SHEET Nº 80523 - REV 1
DATE 10/09/2020

1. DESCRIPTION

ChovAPUR IMPER 202 is a liquid aromatic polyurethane waterproofing membrane. One-component product intended for waterproofing and protection, forming a continuous elastic membrane. With excellent mechanical properties and resistant to high temperatures and UV rays. Contains no solvents.



Colors: Transparent (Ref. 80523)

2. RECOMMENDED USE

Recommended for:

- Waterproofing of passable and non-passable roofs. No heavy protection.
- Protection of rough surfaces.
- Coating in buildings.
- Waterproofing in building and industry.

3. ADVANTAGES

- Solvent free.
- Easy application and good adherence.
- Passable
- Forming a continuous membrane without joints.
- High elasticity (> 550%)

4. TIPS FOR USE

- The durability of the application will depend on the final thickness of application
- The application temperature must be between 5° and 35°C
- Do not apply ChovAPUR IMPER at negative temperatures or at risk of rain or frost during the first 24 hours of curing.
- Do not apply more than 0.5 mm of ChovAPUR IMPER per coat (approx. 0.7 Kg / m²)

5. TECHNICAL FEATURES

Membrane features:

FEATURE	RESULT	NORMATIVE
Colors	Transparent (Ref. 80523)	
Shore A	70	ISO 868
Tensile strength at 23 °C	50 Kg/cm ²	EN-ISO 527-3
Resistance to water vapor transmission	0,7 gr/m ² .hr	UNE-EN 1931
Adhesion to concrete	> 18 Kg/cm ²	ISO 4324 / ASTM D45114
Operating temperature	-35 at 75°C	EOTA TR006
QUV Weather resistance test (4hr UV, at 60°C (UVB lamp) / 4hr COND at 50°C)	Pass 2000h	ASTM G53
Shock Temperature	190 °C	DIN 4102



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Percentage of elasticity to 23 °C	> 550 %	EN-ISO 527-3
Percentage of elasticity to - 25°C	400 %	EN-ISO 527-3
Heat stability (100 days at 80°C)	Pass	EOTA TR 11 / EOTA TR 008
Hydrolysis (H ₂ O, 30 days-cycle 60- at 100°C)	No significant changes in elastomeric properties	EOTA TR003
Hydrolysis (8% KOH, 15 days at 50°C)		EOTA TR003

Product features:

FEATURE	RESULT	NORMATIVE
Colors	Transparent (Ref. 80523)	
Packaging	16 Kg	
Specific weight	1,25 – 1,35 Kg/l	ASTM 1475
Viscosity	2.500 – 5.500 Cps	ASTM 1200
Flash point	40 °C	ASTM D-93
Dry to the touch 25°C / 55% HR	8 Hours	

6. PRIMERS

PRIMERS	TYPE	SUPPORT	CONSUMPTION g/m ²	CURITY TIME
ChovAPUR PRIMER 101	EPOXI BICOMPONE NTE	MORTAR, CONCRETE, BRICK, CATALAN TILE, ACRYLIC COATINGS, FIBROCEMENT PLATES	150-250	SUMMER 12 H. / WINTER 48 H.

The incorporation of other additives is not authorized as it would damage its characteristics and present irregularities.

7. STORAGE

The containers of the system components must be kept hermetically closed under a nitrogen atmosphere. The storage temperature should be between 15 and 25 ° C.

Shelf life: Under these conditions the shelf life is 12 months. Once the container is opened, its total consumption is recommended.

8. CAUTION FOR USE AND HANDLING

Operators must be protected with safety glasses and appropriate respiratory equipment. Avoid contact with the eyes of both components (if this happens, they should be washed immediately with large amounts of clean water for at least 15 minutes, if the discomfort does not disappear, see a specialist). Avoid contact with skin. The work area will be kept away from possible sources of fire. For more information, consult the Safety Data Sheets at chova.com



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9. INSTALLATION RECOMMENDATION

9.1 SUPPORT PREPARATION

Recommended substrates: mortar, concrete, brick, Catalan tile, acrylic coatings, fiber cement plates.

Prior to the application of the primer ChovAPUR PRIMER 101, we must prepare the support. A primer coat should always be applied before applying the product to ensure adherence to the substrate.

The support will be a clean, dry surface free of particles from other sources. The product has an optimal adhesion on rough surfaces. The support should preferably be dry, with as little residual moisture as possible. However, due to the epoxy nature of ChovAPUR PRIMER 101, the primer can be applied on damp, NON-WET surfaces, with a maximum residual moisture of the substrate below 8%. Fresh concrete structures must be allowed to dry for a minimum of 28 days.

Old membranes, dirt, grease, oils, organic substances and dust must be removed mechanically. Do not clean the surface with water. In the case of ceramic tile substrates, the loose parts must be removed and repaired with a technical repair mortar type CHOIMPER REP or similar. Cracks greater than 1 mm must be treated, as indicated in 9.3 Execution of singular points.

9.2 PRIMING THE SUPPORT

Prepared the support according to section 9.1 "Preparation of the Support". Apply the ChovAPUR PRIMER 101 primer on the entire surface to be waterproofed, including the necessary surface for waterproofing the singular points, according to section 9.3 "Execution of the singular points"

To apply ChovAPUR PRIMER 101, mix component A, product 80501, 23 kg, with two cans of component B, product 80502, 5 kg. Mix homogeneously with mechanical stirring at low revolutions, mix for 3-5 minutes.

Apply the product with a roller or brush. Yield approx. from 0.15 to 0.25 Kg / m². Let dry approx. 12-24 h. (depending on humidity and ambient temperature), before applying the first coat of ChovAPUR IMPER 202.

9.3 EXECUTION OF THE SINGULAR POINTS

9.3.1 Crack and fissure treatment

- Clean cracks of dust and loose particles.
- Fill the crack with ChovASTAR PEGASELLA polyurethane putty or similar

9.3.2 Treatment of expansion joints and structural expansion joints

- Clean the joints of dust and loose particles.
- Fill the crack with a ChovASTAR REJUNTEX joint bottom and crown it with ChovASTAR PEGASELLA polyurethane putty or similar, with a maximum depth of 5 to 10 mm

9.3.3 Treatment of encounter with vertical facing

- Make half rods, chamfers or scotches at all right angles
- Apply the primer ChovAPUR PRIMER 101 approx. 25 cm above vertical surface



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9.3.4 Drain treatment

- Apply the primer ChovAPUR PRIMER 101 on the EPDM connection piece

9.4 APPLICATION OF THE MEMBRANE (Horizontal surface)

The average yield will be 1.4 to 2.1 Kg / m² (in 2 or 3 layers). Obtaining a membrane of 1.4 mm thick approx. Final durability will depend on the final thickness of the application.

9.4.1 Application of the membrane (2 to 3 layers)

The performance of the waterproofing membrane is from 1.4 to 2.1 Kg / m² placed in 2 or 3 layers. At a rate of 0.7 Kg / m² per layer. For three layers we obtain a 1.4 mm thick membrane.

Installation recommendations:

-Apply the first coat of ChovAPUR IMPER 202 at a rate of 0.7 Kg / m² per coat. Let dry 8-20 hours until the next coat. Apply with a roller, brush or airless machine.

-Apply a second coat with a yield of approx. of 0.7 Kg / m², crossed over the first layer. Let dry 8-20 hours until the next coat.

- Apply a third coat with a yield of approx. of 0.7 Kg / m², crossed over the second layer. Let dry between 20 and 48 hours before putting the membrane into service.

Notes on membrane application:

-The durability of the membrane will depend on the final thickness of the application. ChovA S.A., recommends the application of 3 layers for greater durability and protection against moisture. Optionally, the waterproofing membrane may be made up of two layers of ChovAPUR IMPER 202 at a rate of 0.7 Kg / m² per layer, with a total performance of 1.4 Kg / m²

9.4.2 Finishing of the membrane

9.4.2.1 Finishes on membranes exposed to the elements. Visitable or passable. Membrane not weighted. Flat roof (Slope 1 to 15%)

-After applying the last layer of the ChovAPUR IMPER 202 membrane, while in a fresh state, saturate the last layer with siliceous aggregate with a grain size of 0.4 to 0.9 mm and a yield of approx. 500 g / m². What gives it an anti-slip finish.

-Let the ChovAPUR IMPER 202 membrane dry approx. 48 hours

-Apply two crossed layers of ChovAPUR VARNISH 301 transparent, with a yield of approx. 0.15 Kg / m² per layer. To avoid yellowing, chalking or changes in tone.



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9.4.3.2 Other uses

- Do not use as a waterproofing system to be protected later with heavy protection, either slabs, gravel or other types of earth.
- Do not use for waterproofing walls, slabs or foundation slabs
- Do not use in permanent contact with water, neither by condensation, nor by storage.

The information herein contained corresponds to data obtained from the supplier. ChovA, S.A. reserves the right to modify or cancel any of the above-mentioned parameters without prior notice. The guarantee of ChovA, S.A. is only applying to the quality of the product. The application should follow the local recommended good practices and Standard Specifications of product concerned