



ChovA
SISTEMAS DE IMPERMEABILIZACIÓN
Y AISLAMIENTO

CHOIMPER FLEX components A and B

FLEXIBLE, WATERPROOFING MORTAR FOR CRACK
BRIDGING. **PCC MORTAR**

TECHNICAL SHEET Nº 80400 - REVIEW 02/20 DATE:18/11/2020
THIS REVIEW CANCELS PREVIOUS CE

1. DESCRIPTION

Bicomponent, flexible, waterproofing mortar made of cement, siliceous aggregates, synthetic resins, and additives. **PCC Mortar**.

Product with CE Mark according to UNE-EN 14891: 2008. Liquid membrane for roof waterproofing, applied under ceramic tiling type CM-P according to UNE-EN 14891: 2008. See DoP_E_80400_14891_CHOIMPER_FLEX_compAyB_v01



2. FEATURES

- Waterproof
- High water vapor permeability
- Low elasticity modulus, achieving high flexibility and reducing the risk of cracking. Ability to bridge small cracks
- Suitable for positive and negative pressure
- Resistant to chlorinated water
- Lime water resistant
- Slows the progression of carbonation
- Excellent adhesión
- High resistance to icing and deicing salts

3. TECHNICAL FEATURES

FEATURES	VALUES	TEST METHOD
Mixing ratio: Component A:Component B (by weight)	1 : 4,5 (Trowel) 1:3 (Brush)	
Colour	Grey mortar	
Fresh density (Kg/l)	1,7 aprox.	
Grain size	0 – 0,3 mm	
Coat thickness	1 -2 mm	
Consumption (dry mortar)*	Aprox. 1,7 Kg/m ² y mm thickness	
Pot life	30 - 40 min	
Waterproofness test	Water does not penetrate	UNE-EN 14891:2008
Elongation capacity of the crack	> 1 mm	UNE-EN 14891:2008
Initial strength	> 0,5 N/mm ²	UNE-EN 14891:2008
Adhesion after water immersion	> 0,5 N/mm ²	UNE-EN 14891:2008
Adhesion after heat	> 0,5 N/mm ²	UNE-EN 14891:2008
Adhesion after freezing and thawing cycles	> 0,5 N/mm ²	UNE-EN 14891:2008
Adhesion after immersion in lime water	> 0,5 N/mm ²	UNE-EN 14891:2008
Adhesion after immersion in chlorinated water	> 0,5 N/mm ²	UNE-EN 14891:2008
Negative pressure	≤1,5 atm (15 mca per m ²)	

(*) Consumption may vary depending on the surface roughness and its planicity.

4. APPLICATIONS

- Semi-flexible waterproofing mortar for concrete structures, mortar surfaces, brickwork, blockwork...
- Waterproofing seal of surfaces before laying ceramic tiles or natural stone.
- Waterproofing coatings and surface protection that require flexibility on risk of small cracks.
- Waterproofing for tanks, swimming pools and canals.
- Balcony and terrace waterproofing.
- Waterproofing of foundations, pits, slabs, exterior walls, lift shafts and tunnels, etc.
- Waterproofing for basements, underground car park.

Provided information matches up with data obtained in our own laboratories and/or accredited external laboratories. This product will maintain these characteristics on average. **ChovA, S. A.** reserves the right to modify or cancel any parameter without previous notice. **ChovA, S. A.** guarantee is limited to the product quality. As for commissioning work, which do not participate, the product installation instructions must be followed carefully. Soundproofing values may differ from those shown here due to improper execution of work. This technical file will be voided by subsequent revisions and, if in doubt, request the latest revision.



ChovA
SISTEMAS DE IMPERMEABILIZACIÓN
Y AISLAMIENTO

CHOIMPER FLEX components A and B

FLEXIBLE, WATERPROOFING MORTAR FOR CRACK
BRIDGING. **PCC MORTAR**

TECHNICAL SHEET N° 80400 - REVIEW 02/20 DATE:18/11/2020
THIS REVIEW CANCELS PREVIOUS C E

- Protection of surfaces exposed to icing and de-icing salts.
- Protection for concrete structures in marine environments.
- Waterproofing of small planters in which low-growing, non-tree species are to be installed.

5. APPLICATION SURFACES

The application surface must be clean, sound and free from oils, grease, paint, dust, cement grouts, bituminous waste, etc. Tensile strength must be $> 1 \text{ N/mm}^2$.

If necessary, we recommend repairing the application surface 24 hours before applying the product by using a repair mortar of the aplicaTec Repair range. Absorbent surfaces should be saturated with water before the product is applied. Make sure that no puddles form on the surface. Application will begin when application surfaces get a matt appearance.

6. INSTRUCTIONS FOR USE

- Shake the liquid component before using. Gradually add the mortar on the liquid component until the desired consistency is achieved.

Ratio by weight:

Application by trowel: A:B = 1:4,5

Application by brush: A:B = 1:3

(A: liquid component / B: powder component)

- Mix mechanically with clean water at low rpm until you obtain a smooth, lump-free paste.
- The application can be done by trowel, brush, long bristle roller and spraying machine.
- Can be laid with or without a mesh. The junction between fiberglass meshes will be made by overlapping about 3-4 cm. Mesh must be completely covered.
- Always apply two coats with a total thickness of 2 mm to waterproof.
- Once the first coat has hardened (5 hours at 20 °C), apply the second coat in perpendicular direction.
- Wait a minimum curing time of 7 days before painting or before contact with water.
- The finish can be accomplished by trowel.

7. WARNINGS AND RECOMMENDATIONS

- Do not apply the product at temperatures below 5 °C or above 35 °C.
- As a pre-dosed mortar, water addition is not required.
- Do not apply when frost or rain are forecasted.
- Never add water on the mortar that has lost the workability, properties will be lost.
- It is not a walkable coating.
- Protect from direct sunlight and/or wind.
- Efflorescence can occur in rainy and humid weather.
- This does not affect the quality of the product.
- Can be painted by using solvent-based paints. The curing time for applying Paint is 7 days.
- We recommend wearing rubber gloves when handling this based product.
- All tools must be washed immediately after use. If the product is allowed to dry, it will only be possible to remove it by mechanical means.

8. PACKAGING

The product is available in 20 kg pre-measured batches (15 kg bag and 5 liter pot with a weight of 5 kg).

Storage: up to 12 months after manufacturing date in suitable temperature and humidity conditions.

The liquid component must be protected against frost.

Provided information matches up with data obtained in our own laboratories and/or accredited external laboratories. This product will maintain these characteristics on average. **ChovA, S. A.** reserves the right to modify or cancel any parameter without previous notice. **ChovA, S. A.** guarantee is limited to the product quality. As for commissioning work, which do not participate, the product installation instructions must be followed carefully. Soundproofing values may differ from those shown here due to improper execution of work. This technical file will be voided by subsequent revisions and, if in doubt, request the latest revision.