

NET:
26,5 KG

QuaPoliürea 5225

Technical Data Sheet



yeykim
YAPI KİMYASALLARI
CONSTRUCTION CHEMICALS

Product Description:

It is a two-component, polyurea based liquid material. Easy to apply. It is an economical waterproofing system that offers simple solutions. It forms a highly elastic film by adhering strongly to all kinds of surfaces.

QuaPoliürea 5225 contains pure elastomeric hydrophobic polyurethane resin which gives the material excellent UV, chemical, mechanical and thermal resistance.

Application Areas:

- Tile/tile (underlayment)
- Bathrooms,
- Roofs,
- Bridges and tunnels
- Stadium bleachers,
- Lightweight roofs made of metal or fibrous cement,
- Asphalt membranes,
- As the main waterproofing membrane in the waterproofing systems of car parks,

Technical Specifications:

Color: Gray

Density: $1,37 \pm 0,05$ g/ml

Hardness: 65 Shore A

Viscosity: 3000-4500 cP

Water Vapor Permeability: 0,8 gr/m² Hours

Adhesion to concrete: $>2,5$ (N/mm²)

Elongation at break: >8 (N/mm²) (+23oC)

Elongation Percentage: ≥ 600

Drying Time of Product in Bucket: 30 Minute

Drying Time: 4-6 Hours

Re-folding: 12-24 Hours

Chemical Curing: 7 Days

Advantages:

- Excellent mechanical properties.
- Exhibits effective resistance to chemicals.
- Does not contain toxic substances after curing.
- Effective in water vapor transmission: Since the film breathes, there is no moisture accumulation under the layer.
- Excellent thermal resistance, the product never softens. Maximum service temperature is 90°C, maximum shock temperature is 200°C.
- It is resistant to cold: The film retains its elasticity up to -40°C.
- Even if QuaPoliürea 5225 is damaged in any way, the damaged part can be easily repaired in a short time
- Quattro QuaCoat 3113 TN 100 can be used depending on the conditions, although no thinning is required

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Surface Preparation:

Application surfaces must be solid. The surface must have a compressive strength of 25 N/mm² and at least 1.5 N/mm² for adhesion test. The surface must be free of factors that may affect adhesion performance such as loose, dismantled or loose concrete particles, oil and paint residues, cement grout residues. In addition, the surfaces to be applied should be roughened and wiped with suitable tools and machines. The wiped surfaces should be completely cleaned of dust with industrial type machines. Dust remaining in the surface pores may affect the product performance and cause holes in the coating.

Priming:

- QuaCoat 3104 1K, QuaPoxy 5222 Primer WB and QuaCoat 3110 AST 2K for absorbent surfaces
- QuaCoat 3104 AST for hard and normal floors

Instructions for Use:

Apply at least two coats with a roller or brush. Allow 6-24 hours between coats. If the time has elapsed (e.g. more than 4 days) or if you are unsure of the adhesion between coats, prime.

Consumption:

First coat: 0.75-0.9 kg/m², Second coat: 0.75-0.9 kg/m².
Minimum total consumption: 1.5-1.8 kg/m².

Packaging:

25+1,5 KG Set Metal Tin

Caution:

Flammable, combustible and flammable products should be kept away during application. Smoking should be avoided. Care should be taken to ensure continuous ventilation of the application area. Protective equipment such as goggles and gloves should be used during application. In case of eye contact, wash thoroughly with plenty of water. Request Material Safety Data Sheet for detailed information. Keep out of the reach of children. The product should be consumed by professional users, taking into account the data in the technical information section.

Safety Precautions:

R37/38 irritant for respiratory tract and skin.

R41 risk of serious damage to eyes.

R43 may cause sensitization on contact with skin.

S24/25 Avoid contact with eyes and skin.

S26 In case of contact with eyes, rinse immediately with plenty of water and consult a doctor.

37/39 Wear suitable gloves and protect eyes/face.

Quattro