WATERPROOFING · WATER-BASED PUD

PUD Rooftop 5210

Light-weight, highly elastic polyurethane dispersion waterproof coating

COLOUR
White
special colours on request

0.86 g/cm³	61 %	350 %	30 min	0.8–1 mm
Density (20 °C) – light weight	Non-volatile mass	Elongation	Touch dry (24 °C)	Waterproof film, 3–4 coats

Product description

PUD ROOFTOP 5210 is a highly elastic, light-weight, water-based pure PUD waterproof coating. Its specific additive gives high dirt pick-up resistance, vapour permeability and heat insulation together with perfect waterproof and sound-insulating performance.

Usage areas

- Roofs
- Walls
- Rooftop decks
- Pool sides
- Terraces and many other areas

Advantages

- Highly elastic
- Vapour permeable
- Perfect waterproof performance
- Sound and heat insulating
- Withstands abrasion – hard wearing
- Excellent bond strength
- UV stable
- Light weight

Position in the system

Waterproof membrane — THIS PRODUCT
PUD ROOFTOP 5210 · 3–4 coats · 0.8–1 mm

Primer coat
PUD ROOFTOP 5210 diluted with 20 % water

Substrate
Concrete ≥ 25 N/mm², 21–28 days

Liquid-applied waterproofing

Light-weight, vapour-permeable PUD membrane

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BOYTEM BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ
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Technical data (at +20 °C)

Colour	**White (special colours on request)**	Shore A	**62.2**
Density (20 °C)	**0.86 g/cm³**	Shore D	**7.1**
Non-volatile mass	**61 %**	Elongation	**350 %**
Touch dry (24 °C)	**30 min**	Consumption	**1–1.5 l/m²**
Drying time (24 °C)	**2 h 30 min**	Film thickness	**0.8–1 mm (3–4 coats)**
Full curing time	**4 h 30 min**	Packaging	**20 l**

Application procedure

01

Surface preparation

Concrete min. 25 N/mm², clean, dry and sound. Remove dust, laitance, oil, grease, curing compounds and hardeners. Dry to 75 % RH (BS 8204).

02

Mixing

Mix with a slow-speed mechanical mixer (300–400 rpm) – never by hand. Add only tap water if necessary, no solvents.

03

Primer coat

Dilute **PUD ROOFTOP 5210** with 20 % tap water and apply by roller.

04

Waterproof coats

Apply undiluted by roller, preferably in 3–4 layers, to reach 0.8–1 mm thickness.

Rain
10–16 h
Do not proceed if rain is expected within 10–16 h; after rain, let the surface dry completely.

Thickness
0.8–1 mm
Minimum recommended – consult Unica for thicker systems.

Consumption
1–1.5 l/m²
Depending on substrate and required thickness.

Important: test compatibility and adhesion before application over existing coatings. Remove spills of vehicle fluids (hydraulic oil, fuel, antifreeze) promptly.

Points to consider

- Low temperatures slow drying; high temperatures accelerate it.
- Max. relative humidity during application and cure approx. 75 %.
- Substrate temperature at least 3 °C above dew point.
- Concrete moisture < 6 % by weight; concrete age min. 21–28 days.
- Repair depressions and cracks first – irregularities may reflect through the system.
- Do not store materials outdoors or in direct sun.

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Packaging

- 20 l

Safety

- Refer to the latest Material Safety Data Sheet for safe handling, storage and disposal.

Cleaning

- Clean all equipment immediately with tap water.
- Cured coating: manual cleaning only.
- Wash hands with mild soap and plenty of water.

LEGAL NOTE

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