

DESCRIPTION

- Cement based, single component waterproofing mortar providing negative side water impermeability.

INTENDED USES

- Underground applications,
- Foundation walls,
- Retaining walls,
- In elevator shafts,
- Used in old buildings with water and moisture problems for waterproofing in all buildings.

PROPERTIES

- It can be used in all kinds of waterproofing applications as it is resistant to negative side water pressure.
- Has excellent adhesion to concrete.
- Mix it with only water, it is easy to apply.
- Resistant to 5 bar water pressure against concrete. (ITU Pressurised water impermeability report-TS EN 12390-8)
- Has high water impermeability feature.

SURFACE TREATMENT

- The surface must be clean, dry and smooth.
- The surface must be cleaned from oil, dirt and paint residues that will prevent adhesion.
- Cracked and hollow areas on the surface must be repaired with **REPAIR SW Waterproof structural repair mortar** at least 24 hours before **N-34** application.
- At the joints of sharp corners and structural elements, chamfering should be applied with **CHAMFER TAPE**.
- Surfaces such as exposed concrete, cement-based plaster should be wetted with clean water and wait until the water layer disappears so that the surface will remain moisture.
- Very porous surfaces must be primed with **UA-34 General purpose primer** without diluting 1-3 hours before **N-34** application in order to balance the water absorption of the surface.
- Consult us for all other application substrates.

TECHNICAL DATA

Appearance	: Grey powder
Application temperature	: (+5°C) - (+30°C)
Application thickness	: 2-3 mm
Set time	: 48
Time required to become waterproof	: 7 days
Time required in-between layers	: 4 hours
Cavity unit volume mass	: 1990 kg/m ³ ±99.5 kg/m ³
Capillary water absorption and water vapour permeability	: < 0.1 kg/m ² .h ^{0.5}
Adhesion strength through pull-off test	: ≥ 0.8 N/mm ²

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- **MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ** is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

APPLICATION

- Slowly pour 20 kg **N-34** powder into 5.5-6.0 litre of water and mix with a low speed mixer until a homogeneous mixture is obtained.
- The prepared mortar should be rested for 2-3 minutes to mature.
- The prepared mortar should be applied to the surface at least in 2 layers with a brush or a suitable spraying tool.
- It should be waited at least 4 hours between layers.

WARNINGS AND RECOMMENDATIONS

- **N-34** must be used with complementary products in order to achieve the desired performance.
- Primer must be used before application. The primer provides water permeability and high adhesion strength between the product and the surface. The amount of consumption will be reduced with the use of primer.
- Since it has no UV resistance, it should not be left as a top layer and should be covered after 7 days of curing.
- There should be no ponding on the surface during application and hardening.
- Uneven and hollow surfaces cause an increase in consumption.
- Do not breathe the powder or contact with skin or eyes as it is cement-based.
- After application, hands and applications tools should be thoroughly washed with water.
- Do not apply to surfaces that have been exposed to sunlight for too long or that are frozen.
- The indicated consumption amount is general information and may differ due to application

N-34

NEGATIVE USE WATERPROOFING MORTAR



PACKAGING

- 5 kg & 20 kg Plastic bucket

SHELF LIFE


- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture.

CONSUMPTION

- N-34 is applied at a consumption of approximately 1-2 kg/m² for each layer.
- 3.5 kg/m² for 2 mm application in places with soil moisture
- 3.5 kg/m² for 2 mm application in places with ground water
- 4.5 kg/m² for 2.5 mm application in non-accumulating flood and rain water situations

QUALITY CERTIFICATES

- METU DRINKING WATER COMPLIANCE REPORT-BS 6920
- ITU PRESSURISED WATER IMPROVEMENT REPORT - TS EN 12390-8

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YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ. İstanbul Mermerçiler Küçük San. Sit. 18. Cad. No: 22 Köşeler Köyü - Dilovası / KOCAELİ	
18 DoP number: 03.PB 1504-2.009	
2163-CPR-0560-2 TS EN 1504-2 N-34 NEGATIVE USE WATERPROOFING MORTAR Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and conformity assessment - Part 2: Surface protection systems for concrete Principle 2: Moisture control, Method 2.2 Coating application	
Water vapor permeability	: Class I; SD<5 m
Capillary water absorption and water permeability	: <0.1 kg/m ² .h ^{0.5}
Adhesion strength through pull-off test	: Without a traffic load; ≥0.8 N/mm ²
Fire reaction class	: A1
Hazardous substance	: Suitable

Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti.

KOCAELİ KOBİ Organize Sanayi Bölgesi 18. Cadde No: 22 Köşeler - Dilovası / KOCAELİ / TURKEY

+90 (216) 469 66 33 +90 (262) 728 11 10 | www.myfixyapikim.com |  myfixyapikimyasallari