

Description

Tecnica 911 WP is a liquid concrete additive that increases the water impermeability of the concrete by creating a crystalline structure in the capillary spaces of the concrete with the special chemicals structures.

Fields of Application

- Foundation, basements and water channel,
- Dams, culverts and water reservoirs,
- In swimming pool concretes
- Concrete elements where the high risk of water absorption by capillary suction and
- In all concrete applications where crystallized capillary water impermeability is desired.

Properties

- Ready to use
- Tecnica 911 WP is added to the concrete during mixing and reduces the permeability of the concrete.
- In contact with water, it forms crystallized structures in the concrete and reduces the permeability of water and other liquids, thus shortening the setting time.
- Water impermeability ensures breathability.
- Does not contain chloride or other harmful substances that will cause reinforcement corrosion.
- Labor and time saving.

Application

- Shake Tecnica 911 WP well before use.
- Water/cement ratio of the concrete to which Tecnica 911 WP will be added should be less than 0.55.
- If prepared in construction yard; Tecnica 911 WP must be added %1 of cement on ready to apply concrete mixture and stirred 5 minutes.
- If prepared in concrete plant; Tecnica 911 WP is added on water then this mixture is added on concrete mixture as last ingredients.

Recommended Dosage

- Tecnica 911 WP is added 1% by the weight of cement on the mixture.
- Water/cement ratio should be less than 0.55.

Post-Application Protection & Suggestions

- The waterproofing admixtures including Tecnica 911 WP, are not effective against water action with a continuous pressure heads. In such cases, the application of external waterproofing techniques is recommended.
- Waterproofing admixtures are not effective against water action through the microcracks due to shrinkage, durability problems and excessive loading.
- To obtain the best performance, reducing the water to cement ratio of mortar / concrete and taking all measures to reduce microcrack formation due to shrinkage are recommended.
- Do not reuse by adding water on the hardened or hardening mortar.
- All tools and application equipment should be cleaned with plenty of water immediately after use.
- In case of contact with skin, wash with clean water. In case of contact with eye, wash with clean water. Eye contact should be medically consulted immediately.
- For further information refer to the Safety Data sheet.

Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions.
- Packages should be protected from direct sunlight and freeze.
- Shelf life is maximum 24 months conditional to complying with the above mentioned conditions.

Packaging

- 30 kg drum
- 1000 kg IBC

Quality Certificates

TS EN 934-2

Technical Properties

(at 23 °C and 50% RH)

General Data

Appearance/Colours	White liquid
Shelf Life	24 months when stored in original sealed packaging.
Structure	Inorganic compounds
Mixture Density	1,01 – 1,05 (at +20 °C)
pH	3-7

"Please Note: All suggestions and application instructions herein are based on our latest technical experience. Due to a wide variety of individual application conditions, the user alone is responsible for any consequences deriving from the use of the product."