



مصنع أنقى
Anqa Factory

ANQA IZONIL WDS ADDITIVE

(Waterproofing Drying System)



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DESCRIPTION:

An air-entraining, plasticizing, hydrophobic natural admixture for plastering mortars (**compliant with EN 934-3: 2009 + A1: 2012**) designed to enhance workability, simplify the application process, and enable application on humid or wet masonry substrates.

When mixed with cement and sand, it forms plaster, render, or skim coat, known as the Waterproof Drying System (WDS). This can be prepared either industrially (instant version) or manually on-site (sitemix version). A WDS product modified with **WDS - ADDITIVE** is 100% waterproof, offering full resistance to water penetration while remaining highly breathable. This allows for an ongoing drying process, effectively removing moisture from the underlying substrate.

ADVANTAGES:

- Hydrophobic, air-entraining, and plasticizing admixture
- Natural, non-toxic, and non-synthetic
- Unique, one-of-a-kind formulation
- 100% waterproof
- ≤ 1 mm water penetration
- Extremely breathable
- Supports a 100% drying process
- Improves workability
- Enhances cohesion
- Strengthens adhesion
- Simplifies application
- Increases resistance to hairline cracks
- Prevents salt crystallization
- Stops mold and fungi formation

USAGE:

WDS - ADDITIVE is used to modify cement and sand-based plastering mortar, transforming it into the WDS - Waterproof Drying System (WDS). It can be applied in industrial drymix production (instant WDS products) or as an admixture at construction sites (WDS semi-products).

WDS is suitable for both renovations and new constructions, offering protection from both positive and negative sides, whether internally or externally, above-ground or underground.

This system enables the permanent drying of wet and humid walls, allowing water vapor to pass through freely while blocking liquid water, even under hydrostatic pressure of up to 1 BAR / 0.1 MPa (varies by WDS product version—refer to WDS PRODUCT TYPES for details).

As a result, molds, fungi, wet stains, and efflorescence are effectively eliminated. Additionally, WDS has a significantly longer lifespan compared to general-purpose plastering mortars, renovation plastering mortars, and diffusion-closed waterproof membranes and coatings.

STORAGE:

Store in a cool, dry place at a temperature range of +5°C to +30°C. Keep the product protected from high temperatures and direct sunlight to maintain its quality and effectiveness.

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TECHNICAL DATA

Appearance/Color	Powder / White
Packaging	20 kg paper bag
Shelf life	Minimum 24 months
Suitable for	Plaster, render, skim coat, dry insulation material
Not suitable for	Thin bed mortar, tile grout, tile adhesive, waterproof membrane, paint, technical mortar
Suitable to mix with	Gray cement (OPC or PPC) or white cement (OPC) Washed and dried silica sand / Limestone sand may be used as alternative filler Calcium carbonate powder (CaCO ₃) Methyl cellulose (recommended viscosity 40,000)
Not suitable to mix with	Redispersible polymer powders (RDPs)

TEST PARAMETER ACCORDING EN 934-3: 2009 * A1: 2012	MEASURED VALUE	TEST METHOD
Color	White	Visual
Conventional dry material content	95-100% by mass	EN 480-8
Chloride ion content	< 0.1% by mass	EN 480-10
Alkali content	< 0.5% by mass	EN 480-12
Air content after standard mixing - compared to control mix	4.9% by volume	EN 1015-7, method A
Air content after standard mixing - control mix	A1 = (17 ± 3)% by volume	EN 1015-7, method A
Air content after 1 hour standing - control mix	≥ A1 - 3% by volume	EN 1015-7, method A
Air content after extended mixing - control mix	≤ A1 + 5%, ≥ A1 - 5%	EN 1015-7, method A
Water reduction for standard consistency	≥ 8% by mass	EN 480-13
Compressive strength after 28 days	Rms ≥ 0,7 Rmk	EN 1015-11
	Rms = 14,9 N/mm ²	EN 1015-11
	Rmk = 19,8 N/mm ²	EN 1015-11
Reaction to fire	A	Without Testing
Release of dangerous substances to environment	Existence Of SDS	Safety Data Sheet (SD5)

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DOSAGE AND PRODUCTION PROCEDURE

- Use in industrial drymix production (instant WDS products) or as an admixture at construction sites (WDS semi-products).
- Do not use as admixture for structural concrete
- Do not use with sea sand
- Do not combine with redispersible polymer powders (RDP) or other chemical mortar additives (except methyl cellulose)
- The production process depends on the manufacturer's specific technology.
- The recommended WDS formulation is provided separately by the manufacturer in a document called WDS - PRODUCT TYPES.

LEGAL NOTICE

The information and, in particular, the recommendations relating to application and final use of ANQA IZONIL products are provided in good faith, resulting from the present knowledge and experience with the products when properly stored, handled and applied under normal conditions in accordance with the recommendations of ANQA FACTORY or its distributors. As long as the use and processing of the product is not subject to our direct influence, we will not be liable for any damages caused by its misuse. We reserve the right to make changes resulting from technical progress. Refer to our technical team to obtain our warranty for projects that require special application procedures.

SAFETY, HEALTH PROTECTION, HYGIENIC RULES AND FIRST AID

The product is safe when used correctly. Standard hygiene practices must be followed when working with the product. Do not drink, eat, or smoke during work. Use proper working clothes, protective gloves and, if necessary, protective glasses or face protection. If the product is accidentally ingested, do not induce vomiting. Seek medical help and show them the product label on the package. If eye contact occurs, wash immediately with plenty of clean water. In the event of an allergic reaction or other difficulties, seek immediate medical help. Follow the usual safety guidelines. Do not mix with unknown substances. Detailed safety and health information and precautions are provided in Safety Data Sheet (SDS).