



مصنع أنقى  
Anqa Factory



# ANQA IZONIL WDS ADDITIVE

(Waterproofing Drying System)

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## DESCRIPTION:

Air-entraining plasticizing hydrophobic natural admixture for plastering mortars (according EN 934-3: 2009 + A1: 2012) to improve workability, to ease application process and to enable application on humid or wet masonry substrate. When mixed with cement and sand into plaster either industrially (instant version) or manually at construction site (sitemix version), it creates plaster, render or skim coat called waterproof drying system (WDS). WDS product modified with WDS - ADDITIVE is 100% waterproof (resistant to water penetration) and simultaneously it is extremely breathable, allowing drying process - WDS product constantly dries out moisture from the substrate.

## ADVANTAGES:

- Hydrophobic, air-entraining and plasticising admixture
- Natural, non-toxic, non-synthetic
- One of a kind admixture
- 100% waterproof
- ≤ 1 mm water penetration
- Extremely breathable
- 100% drying process
- Improves workability
- Improves cohesion
- Improves adhesion
- Makes application easier
- Improves resistance to hairline-cracks
- Prevents salt crystallisation
- Prevents creation of molds and fungi

## USAGE:

WDS - ADDITIVE is used for modification of cement and sand-based plastering mortar into WDS - WATERPROOF DRYING SYSTEM. It is used either in industrial drymix production (instant WDS products) or as admixture at construction site (WDS semi products). WDS is suitable for renovation of existing buildings or application at new buildings from positive and negative side, internally and externally, at above-ground and under-ground level. WDS is suitable for permanent drying process of wet and humid walls allowing free passage of water vapor while resisting passage of liquid water even under hydrostatic water pressure up to 1 BAR / 0.1 MPa (depending on version of WDS product - see document WDS - PRODUCT TYPES for more information). In result, creation of molds, fungi, wet maps or efflorescence phenomenon is eliminated. Life

- time of WDS multiple times exceeds the lifetime of general purpose plastering mortars, renovation plastering mortars and diffusion-closed waterproof membranes and coatings.

## STORAGE:

Store in cold and dry places at temperature from + 5 ° C to + 30 ° C protected against high temperatures and direct sunlight.

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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 <sub>3</sub> ) 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 <sup>2</sup>	EN 1015-11
	Rmk = 19,8 N/mm <sup>2</sup>	EN 1015-11
Reaction to fire	A	Without Tasting
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 admixture at construction site (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)
- Production process depends on manufacturer's specific manufacturing technology
- Recommended WDS formulation: provided by manufacturer separately in document called WDS - PRODUCT TYPES

## LEGAL NOTICE

The information and, in particular, the recommendations relating to the application and final use of WDS - ADDITIVE are provided in good faith, resulting from the present knowledge and experience with the product when properly stored, handled and used under normal conditions in accordance with the recommendations of manufacturer or distributor. As long as the use and processing of the product is not subject to our direct influence, we are not liable for any damages caused by misuse. We reserve the right to make changes resulting from technical progress.

## SAFETY, HEALTH PROTECTION, HYGIENIC RULES AND FIRST AID

The product is safe when used properly. Normal hygiene conditions shall be followed when working with the product. Do not drink, do not eat do not smoke during work. Use proper working clothes, protective gloves and, if necessary, protective glasses or face protection, If the product is accidentally eaten, do not induce vomiting, seek medical help and show them labeling 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).