



# 65

χρόνια

σεβασμό στον μάστορα

δομικά υλικά

construction materials

Technical Specifications

Date: 23/10/2014

Edition: 2nd

## Atlplus+ silica flex

### Reinforced Construction Resin & Waterproofing Mortar Additive



#### Description

A supplementary acrylic-based building resin with a siloxane base for multiple improvements of mortars, reinforced with polypropylene fibers. The fibers catalytically affect the mortars, creating an elastic and highly compact strength network. The siloxane composition of Atlplus silica flex ensures excellent waterproofing in enriched mortars. Atlplus silica flex provides increased mechanical strength (abrasion, impact, compression, elasticity, etc.), improves workability, reduces the water/cement ratio, offers excellent adhesion for bonding surfaces or bonding old with new concrete, high hydrophobicity, creates an anti-evaporation membrane, protects the final surface from wear, and prevents reinforcement from oxidation. It also improves adhesion to exposed concrete surfaces.

#### Application Fields – Usage Instructions

The required amount of Atlplus silica flex depends on the desired quality and technical requirements of the application. Typically, it is used in the following proportions:

Atlplus silica flex: **water**

- Waterproof cement mortars resistant to hydrostatic pressure: 1:2–1:3
- Energy-saving plasters, high impermeability, and strength: 1:4–1:5
- Floor cement mortars with abrasion resistance that do not dust, and repair mortars: 1:2–1:4
- Bonding and scatter layers between old and new concrete or mortar: 1:1

- Cement mortars and concrete resistant to chemical effects and petroleum derivatives: 2:1
- For other applications, refer to the product's technical data sheet.

#### Technical Characteristics

Form: Off-White Liquid

Specific Gravity: 1,04±0.01

Viscosity: 110±10 KU

#### Storage

At least 18 months from the production date, provided it is kept in airtight containers and stored in dry, covered spaces, protected from moisture and frost.

#### Packaging

20 kg.

10 kg.

5 kg.

1 kg.

#### Safety Instructions

Read the label before use. For detailed instructions and precautions, consult the product's Safety Data Sheet. Poison Control Center Phone Number: +30 210 77 93 777



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