

# TIONES™

# 6021E

## Technical Data Sheet

### 1. Product Description

**TIONES™ 6021E** is a water-soluble redispersible polymer powder based on copolymer of vinyl acetate and ethylene. It's free of any solvents.

### 2. Specifications

Appearance-----	white free-flowing powder
Protective colloid-----	Polyvinyl alcohol
Bulk density-----	500 ± 100 g/L
Particle size-----	Max. 10% over 150µm
Residue moisture-----	≤ 2%
pH value-----	7.0 ± 1.0 (50% dispersion in water)
Film properties-----	Opaque, High Flexible
MFFT-----	Approx. 0°C
TG -----	(+7°C)

### 3. Properties

**TIONES™ 6021E** increases cohesion of binding material and improves performances of cement based products. It provides pre-mixed mortars with following advantages:

- improves adhesion strength substantially
- improves workability
- improves crack resistance
- improves flexural strength
- reduces elastic modulus

### 4. Application

The typical application field of **TIONES™ 6021E** is polymer-modified dry mixtures based on mineral binders such as cement, lime or gypsum. The highly recommended applications are as follows:

- EIFS adhesive mortar, plaster mortar & anti-cracking mortar
- Cement-based tile adhesive
- Tile grouts

- Grout mortars
- Repair mortar
- Gypsum plaster

## 5. Dosage and Handling

**TIONES™ 6021E** is added to other powdery components to obtain the mixed homogenous formulation. The dosage should be more than 1.5% of the total dry mixture by weight. The final required dosage should be evaluated in suitable tests prior to the actual application.

## 6. Storage

**TIONES™ 6021E** should be stored in a cool, dry place. To prevent moisture penetration, the opened bags should be sealed again as soon as possible. On account of thermoplasticity of the redispersible polymer powder, bags must not be stacked higher than one pallet.

**TIONES™ 6021E** storage time should not exceed 6 months from date of delivery.

## 7. Package

20kg/bag: valved multi-layer paper bag with polyethylene interlayer.

## 8. Industrial Safety and Environmental Protection

- Risk of explosion by static sparks or ignition sources.
- Use with local exhaust ventilation.
- Wear protective eyeglasses or chemical safety goggles.

### A safety data sheet is available on request

*This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed.*

*The quality of our products is guaranteed under our General Conditions of Sale.*

