

# ZC 10 Zeolite

## Zeolite compound in granules for the formulation of ecological detergents

### Nature

A compound of Zeolite 4A, synthetic crystalline aluminium and sodium silicate and acrylic-maleic copolymer. It is obtained in its granular form by means of a spray tower process.

### Technical data (Mean values)

<b>Chemical composition, %</b>	
<b>Zeolite 4A (100% anhydrous)</b>	min 72
<b>Maleic-acrylic copolymer</b>	10
<b>Ca-sequestering capacity, mg CaO/g anh</b>	> 160
<b>Apparent density, g/l</b>	550
<b>Mean particle size, mm</b>	0,3
<b>&gt; 0.5 mm</b>	max 5.0
<b>&lt;0.1 mm</b>	max 5.0

### Characteristics

Homogenous particle size. In the size range of other components of the detergent.  
High apparent density.  
Good absorption capacity.  
Safe from a toxicological and environmental point of view.  
High fluidity. It facilitates dosing operations.  
Very good dispersion in water. It prevents deposits on clothes and machines.  
High porosity of the grains (macropores) together with the specific channels of the Zeolite 4A structure (micropores).

### Fields of application

Production of phosphate-free washing detergents, avoiding the spray tower process.  
It can be used in post-addition, taking into account the suitable percentages of both components in the final formulation.  
Due to the high porosity of the ZC 10 grains (macroporosity) it can be used as an absorber of liquids: organic (surfactants) and aqueous (humidity), avoiding fluidity problems and ensuring good stability during storage.