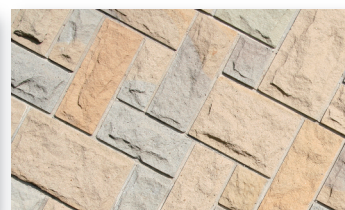


Nanotechnology is one of the most promising technologies of the world. It is less a technology - it is more an umbrella term for a multitude of applications and products which consist of tiny particles and thereby get very special and even complete new properties.

TitanProtect® uses the property of photocatalytic titanium dioxide. This technology is not new but due to advanced manufacturing techniques, smaller dimensions of particles and doping with noble metals new applications were found, which were considered as utopia recently.

TitanProtect®-products are photocatalytic. Exposed to light TitanProtect® produces oxygen radicals on the surface. The activated oxygen decomposes organic molecules and dirt particles that get in touch with the surface. This way odorous substances, air pollutants, viruses, spores and bacteria will be destroyed.

## TF2410



### Description:

TF2410 is a product of nanotechnology. The operation of the product based on the operating principle of photocatalysis. TF2410 is a nanoscale titanium dioxide powder with high purity and reactivity. Because of its very small particle size of the product is very versatile.

### Application area:

Powder for mixing in the matrix.

The product is suitable for:

- ▶ production of concrete elements
- ▶ manufacture of building materials
- ▶ manufacture of components for Air and water purification

### Features:

- Self-cleaning
- Algae and moss prevention
- Air Cleaning
- Water purification

### Processing:

Incorporation into the matrix.

### Technical data:

<b>Ingredients:</b>	TiO <sub>2</sub>
<b>Appearance:</b>	white powder
<b>Active material:</b>	99% (+ / - 0.5%)
<b>Effective light spectrum:</b>	up to 395 nm
<b>PH value:</b>	about 4.0 to 5.0
<b>Primary particle size:</b>	<10 nm
<b>Crystal structure of TiO<sub>2</sub>:</b>	anatase
<b>Melting point:</b>	1,855 ° C
<b>Specific Gravity:</b>	4.26 g / ml
<b>Solubility:</b>	Insoluble in water

### Registration Status:

Product and / or ingredients are listed at:  
CAS, EINECS, TSCA,

### Storage:

Twelve months in original container.  
Dark place. Storage temperature: 5 to 45 C °

### Container sizes:

5 kilos, 25 kilos, 100 kilos, 200 kilos

### Transport Note

No hazardous for air, land, train, or sea transport

### References:

Follow general danger warnings / safety data sheet during handling chemicals. Never mix chemical products.

