

## ***TRIPAK® - New products, free of organic biocides***

### **Product Properties**

This new generation of **TRIPAK** is a tailor-made pigmented industrial mineral-system, ready to use in aqueous systems. These environmentally friendly materials are designed as pure on minerals based products (without organics) with biocidal properties. The new **TRIPAK** products can be widely useful in all kinds of decorative paints and coatings without adding organic biocides.

## ***ECOLOGICAL FRIENDLY MATERIALS FOR PAINTS***

### **Key Benefits at a glance**

- Free from allergenic organic substances
- Tailor-made for every customer
- Suitable for “biocide-free wall paints”
- Environment-friendly
- High hiding power and low gloss



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## TRIPAK - New products, free of organic biocides

### Introduction

The current development of new eco-friendly **TRIPAK** – materials at Alpha Calcit is based on the statement, that the bacterial or algae growth does not take place at high pH. The high level of whiteness of this pigmented industrial minerals system in combination with a good dispersibility permits high hiding power.

**TRIPAK** can be used in wall paints, industrial varnishes and paints, decorative paints, road marking paints.

### Chemical and Physical Data

Technical parameters	TRIPAK VP 859	TRIPAK VP 860
<b>TRIPAK</b>		
Whiteness of powder	96	96
Particle size distribution, D <sub>50</sub> [µm]	2,0	3,0
Particle size distribution, fraction < 1 µm [%]	35,0	35,0
<b>Paint based on TRIPAK</b>		
pH value of paint	11,4	11,4
Hiding power, [%]	98	98
<b>Gloss, [85°]</b>	<b>3,7</b>	<b>1,5</b>

### Control of Conserving effect by paints

#### Initial colonies rate:

Bacteria: 100000-1000000;  
Yeast: 10000 – 1000000



Paint sample directly after production  
Bacterium: Staphylococcus aureus

#### 26-days colonies rate:

Bacteria: several colonies (< 10) / no colonies  
Yeast: isolated colonies (< 10) / no colonies



Paint sample with new **TRIPAK** after 26 days  
Bacterium: Staphylococcus aureus

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