

TRIPAK. New products, free of organic biocides.

Product Properties:

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

ECOLOGICAL FRIENDLY FILLERS FOR PAINTS

Key Benefits at a glance:

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



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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 in high pH areas. The high level of whiteness of this pigmented filler-system in combination with a good dispersibility permits a high hiding power with extraordinary.

New **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
TRIPAK filler		
Whiteness of powder	96	96
Particle size distribution, D ₅₀ [µm]	2,0	3,0
Particle size distribution, fraction < 1 µm [%]	35,0	35,0
Paint based on TRIPAK		
pH Wert of paint	11,4	11,4
Hiding power, [%]	98	98
Gloss, [85°]	3,7	1,5

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

Tests are carried out by Hygiene-Institut des Ruhrgebiets.

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