

## FINNTALC M30

### Functional Extender

#### GENERAL INFORMATION

**FINNTALC M30** is a hydrated magnesium silicate with chemical formula of  $Mg_3Si_4O_{10}(OH)_2$ .

**Finntalc grades** are purified in a cascade of multiple flotation cells. This process results in a tight definition of the talc composition, making this natural product similar to a synthetic chemical. In combination with a precisely controlled particle size distribution, this ensures exact reproducibility in formulations.

#### APPLICATIONS

- Paints & Coatings: Matt architectural coatings with dark colours, general purpose industrial coatings with dry film thickness of 80 - 100  $\mu m$
- Adhesives
- Sealants
- Plastics: For automotive cabin and under the hood, appliances, pipes, powdering, profiles and furniture.
- Fertilizers

#### KEY PROPERTIES

- Pure, lamellar, coarse particle size talc, stable colour, very hydrophobic, inert and soft.

#### INCORPORATION

**FINNTALC M30** can be used as a functional extender to achieve following results:

**Paints & Coatings:** Good barrier properties, good anti-corrosion properties, good reinforcement of paint film, good adhesion and sandability, matting of high PVC paint.

**Plastics:** Consistent colour, low abrasion and longer tool life.

#### LEVELS OF USE

Typical use levels for paints and coatings applications are 10 - 30 % depending upon the application and the desired properties.

Typical use levels for talc in plastics depending upon the application. Please contact your local sales representative for advice.

#### HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

#### STORAGE RECOMMENDATIONS

Store dry.

#### SHELF LIFE

**FINNTALC M30** has a shelf life of 5 (five) years from the date of manufacture.

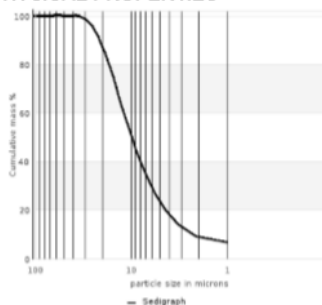
#### QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 certificate, which guarantees that all operations are conducted according to the stipulated standards.

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## FINNTALC M30

<b>MINERALOGY</b>	Talc (Mg-Silicate)		97	%
	Traces of magnesite, dolomite and chlorite			
	CAS-No. 14807-96-6	EINECS-No. 238-877-9		
<b>CHEMICAL PROPERTIES</b>	MgO	XRF	31	%
	SiO <sub>2</sub>	XRF	60	%
	Al <sub>2</sub> O <sub>3</sub>	XRF	0.5	%
	Fe <sub>2</sub> O <sub>3</sub>	XRF	2.2	%
	Fe acid soluble	1mol/L HCl, 100°C	0.2	%
	Loss on ignition	DIN 51081/1000°C	6	%
	pH value	ISO 787/9	9.1	
	<b>OPTICAL PROPERTIES</b>	Whiteness Ry	DIN 53163	81
ISO brightness R457		ISO 2470	80	%
CIE L*, a*, b*		DIN 6174	92/-0.4/1.0	
Yellowness index		DIN 6167	1.7	
<b>PHYSICAL PROPERTIES</b>	Top cut D98	Sedigraph, ISO 13317	35	µm
	Median particle size D50	Sedigraph, ISO 13317	10	µm
	Fineness of grind	ISO 1524	110	µm
	Specific surface area	BET, ISO 4652	3	m <sup>2</sup> /g
	Oil absorption	ISO 787/5	30	g/100g
	Abrasion	Einlehner AT 1000	5	mg
	Hardness	Mohs	1	
	Tapped density	ISO 787/11	0.7	g/cm <sup>3</sup>
	Bulk density	DIN 53468	0.5	g/cm <sup>3</sup>
	Moisture	ISO 787/2	0.05	%



*NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.*

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