

PLUSTALC H50

Functional Extender

GENERAL INFORMATION

PLUSTALC H50 is a hydrated magnesium silicate with chemical formula of $Mg_3Si_4O_{10}(OH)_2$.

Plustalc grades have a low iron content. Plustalc is suitable for such applications where a higher brightness is required.

APPLICATIONS

- Paints & Coatings: Very high whiteness, matt architectural coatings, white car repair putties.
- Polyester Putties

KEY PROPERTIES

- Pure, lamellar and very white talc with coarse particle size, very hydrophobic, inert and soft.

INCORPORATION

PLUSTALC H50 can be used as a functional extender to achieve following results:

- Improvement whiteness of matt architectural coatings inside and outside, good barrier properties and good outdoor durability.
- Improvement whiteness of car repair putties, good sandability, application properties and adhesion.
- Reduction TiO_2 -content in putty formulations

LEVELS OF USE

Typical use levels for paints and coatings applications are 15 - 40 % depending upon the application and the desired properties.

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

PLUSTALC H50 has a shelf life of 5 (five) years from the date of manufacture.

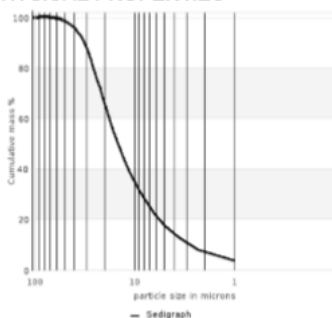
QUALITY ASSURANCE

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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PLUSTALC H50

MINERALOGY	Talc (Mg-Silicate)		96	%
	Traces of magnesite, dolomite and chlorite			
	CAS-No. 14807-96-6	EINECS-No. 238-877-9		
CHEMICAL PROPERTIES	MgO	XRF	31.5	%
	SiO ₂	XRF	60.0	%
	Al ₂ O ₃	XRF	0.6	%
	Fe ₂ O ₃	XRF	0.5	%
	Fe acid soluble	1mol/L HCl, 100°C	< 0.1	%
	Loss on ignition	DIN 51081/1000°C	7.5	%
	pH value	ISO 787/9	9	
OPTICAL PROPERTIES	Whiteness Ry	DIN 53163	90.0	%
	CIE L*, a*, b*	DIN 6174	96.5/0.0/1.2	
	Yellowness index	DIN 6167	2.2	
PHYSICAL PROPERTIES	Top cut D98	Sedigraph, ISO 13317	40	µm
	Median particle size D50	Sedigraph, ISO 13317	14	µm
	Sieve residue	ISO 787/7, 75 µm	0.1	%
	Specific surface area	BET, ISO 4652	5	m ² /g
	Oil absorption	ISO 787/5	28	g/100g
	Hardness	Mohs	1	
	Tapped density	ISO 787/11	0.8	g/cm ³
	Bulk density	DIN 53468	0.5	g/cm ³
	Moisture	ISO 787/2	0.2	%



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