

UNISIL - NK- 20 AHS

About the product

UNISIL NK-20 AHS is a precipitated amorphous sodium aluminium silicate produced from precipitation technology. Its small primary particle size and its high degree of whiteness make it especially suitable for use as a white pigment in the production of different coatings such as :

- Waterborne dispersion paints (for exterior or interior)
- Solvent based paints
- Industrial coatings
- Lacquers
- Printing inks

Advantages of the NK-20 AHS

- Improved levels of whiteness and hiding power (opacity)of the paint.
- Cost reduction as titanium dioxide is partially replaced.
- Increased stability of paint during storage due to alkaline pH. It also acts as an anti-settling agent and a viscosity and pH regulator due to its buffering action.
- Gives exterior paints good weathering properties and reduces the tendency to pick up dirt. Reduces the specific gravity of the paint.
- Decreases tendency to yellowing

TYPICAL PHYSIOCHEMICAL PROPERTIES

PROPERTY	UNIT	VALUE
Whiteness	-	95-98
Specific Surface Area	m ² /g	60-80
Mean Particle size	µm	4-6
Tamped density (after storage)	g/l	200-250
Loss on drying (2 hrs at 105°C)	%	5-7
Loss on Ignition (2 hrs at 1000°C)	% max	8
pH value	-	9.5 - 10.3
DBP absorption	g/100g	160-180
SiO ₂ Content	%	82
Al Content as Al ₂ O ₃	%	9.5
Na Content as Na ₂ O	%	8
Fe Content as Fe ₂ O ₃	%	0.03
Sulphate Content as SO ₃	% max	1.0
Sieve Residue 45µm	% max	0.1
Packing	kg/bag	25

contd.

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CERTIFICATIONS

