



Touch Chem (M) Sdn Bhd

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Touch SILC 5010

Micronized Glass Powder to improve Paint film hardness

Typical Physical Properties

<u>Item</u>	<u>Typical</u>
% Passing through 20 Micron	99
% Passing through 15 Micron	98
% Passing through 10 Micron	96
% Passing through 5 Micron	65
% Passing through 2 Micron	25
pH	7.0
Specific Gravity	2.65
Median particle size	3.6 μ
Oil Absorption (D-1483)	35
Hegman Grind	7.0
Hardnes (Mohs)	7.0

Typical Chemical Analysis

SiO ₂	>70%	MgO	0.01%
Fe ₂ O ₃	<10%	Na ₂ O	<0.01%
Al ₂ O ₃	<10%	K ₂ O	0.01%
TiO ₂	<10%		
CaO	0.03%		

Description

Touch SILC 5010 is a fine grind glass powder that have high purity crystalline powder. It have consistency of particles size, achieved via proprietary processing technique. The fine structure, the chemicals inertness and the most important the very high hardness, make **Touch SILC 5010** suitable for improving paint film hardness.

Recommended For Use

Touch SILC 5010 is recommended for all solvents based coating system. We recommend a dispersing agent like, EFKA – 4010 20% on **Touch SILC 5010**, in order to achieve a good dispersion and good anti-settling effect. We also recommend to add in **Touch ANSET 3000**, as additional anti-settling agent.

Touch SILC 5010 should not stir under very high sheer force for long time as this will result a very dark color dispersion. This is due to the sharp edges of the glass powder particle that can cut out steal and metal to your dispersion due to it high hardness.

The different of **Touch SILC 5000** and **Touch SILC 5010** is on the particles size. With smaller particles size in total of **Touch SILC 5000**, it gives better clarity and transparency but give less hardness improvement and more metal abrasive that result in more easy to turn dark color dispersion under high shear force than **Touch SILC 5010** which have bigger particles size.

Dosage

8 – 15% based on total formulation in order to achieve the high Hardness.

Storage

Touch SILC 5010 is recommended to store in cool and dry place. Keep out of rain and direct sunlight.

Packaging

22kg paper beg.