

## ***LOW ABRASION WHITE CARBONATES***

### **Product Properties:**

Calcium carbonate ( $\text{CaCO}_3$ ) is one of the most commonly used mineral fillers in the industry, and its use in adhesives, sealants, paints and paper offers a wide field of application. New binder systems are used today which are much faster reacting than in the past. **CALCILIT** is the trade name for natural white mineral products manufactured in Sacile, Italy, where compact-grown material is washed, dried and finely milled. The absence of abrasive impurities such as quartz give assistance to spare your technical tools and machines.

## ***KEEP YOUR MECHANICS INTACT FOR LONG***

### **Key Benefits at a glance:**

- Milled natural calcium carbonate
- Natural brightness
- Steep slope of PSD ("low on fines")
- Explicitly reduced abrasion
- Keeping your machines longer
- Reduced repair works on your technics
- Improved performance in end-application



Picture: nathan-dumlao-6Lh0bRb9LOA-unsplash

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### Introduction:

Higher filling factors, improvement of rheological properties and economic advantages are achieved by application of functional fillers. **CALCILIT 4 M**, **CALCILIT 5 M** and **CALCILIT 427 M** are such mineral fillers, manufactured in several steps using special grinding and classifying techniques under permanent quality control. **CALCILIT 4 M**, **CALCILIT 5 M** and **CALCILIT 427 M** are characterized by natural brightness, a steep slope of the particle size distribution curve and an exact top-cut which enables the user to achieve highest filling factors. The products are free of hard particles (e.g. quartz), therefore by application of these functional fillers mechanisms and machines stay without of signs of wear. Application areas are putties, paints, plastics, adhesives, etc.

### Chemical and Physical Data:

Composition:	Milled natural calcium carbonate
Activity:	100 % active by weight
Form:	Fine powder

Parameter		Market Typical Product	<b>CALCILIT 5 M</b>	<b>CALCILIT 4 M</b>	<b>CALCILIT 427 M</b>
<i>Particle size distribution CILAS 1064</i>					
D <sub>50</sub>	µm	4	4	3	3
<i>Whiteness Elrepho</i>					
Ry		95	95	95	<b>96</b>
BGW-B		- 1	- 4	- 4	- 1
<i>Sieve residue</i>					
Sieve residue 20 µm	%	5	5	<0,1	<0,1
Sieve residue 40 µm	%	0,01	0,01	<b>0</b>	<b>0</b>
<i>Abrasion</i>					
<b>Abrasion</b>	%	100	< 50	< 20	< 20

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