

## **CALCIFILL® RC PRODUCTS**

### **Product Properties**

**CALCIFILL RC** products are crystalline calcium carbonates in powder form based on natural recycled limestone, which was formed more than 300.000.000 years ago. **CALCIFILL RC** has grain size distribution and a grain structure optimised for flooring and lining. **CALCIFILL RC** enhances in customer formulations the technological properties, such as mechanical characteristics and the surface features of flooring material. **CALCIFILL RC** is used in wide spectrum of flooring systems.

## ***SUSTAINABLE SINCE DEVONIAN AGE***

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

- Contributes to sustainable economy
- Avoids pre-consumer waste
- Reduces polymers rate in floorings
- Enhances mechanical properties
- Cuts material cost
- Improves CO<sub>2</sub> neutrality



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### ***Alpha Calcit Füllstoff Gesellschaft mbH & Co. KG***

D-50971 Köln Postfach 50 11 06

Telefon: +49 2236 8914-0

Email: [info@alpha-calcit.de](mailto:info@alpha-calcit.de)

D-50997 Köln Otto-Hahn-Str. 9-11

Telefax: +49 2236 40644

Internet: [www.alpha-calcit.de](http://www.alpha-calcit.de)

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## CALCIFILL® RC PRODUCTS

### Introduction

Calcium carbonates have been established as industry minerals in the manufacture of floorings and carpet tiles not only to save cost, but also to add advantageous properties, such as collateral stiffness. **CALCIFILL RC** products are crystalline calcium carbonates based on a recycled limestone made from pre-consumer waste. Optimised and consistent particle size distributions help to improve the mechanical, rheological and aesthetical properties of finished products.

### Chemical and Physical Data

Product	Sieve residue >90 µm [%]	Whiteness Ry	Spec. surface Blaine [m <sup>2</sup> /g]	Moisture [%]	Bulk density (untamped) [g/ml]
<b>CALCIFILL 200 E - RC</b>	< 15	50	< 1	< 0.3	1.1
<b>CALCIFILL 250 E - RC</b>	< 5	50	< 1	< 0.2	1.0

### Application examples

#### **Carpet tiles:**

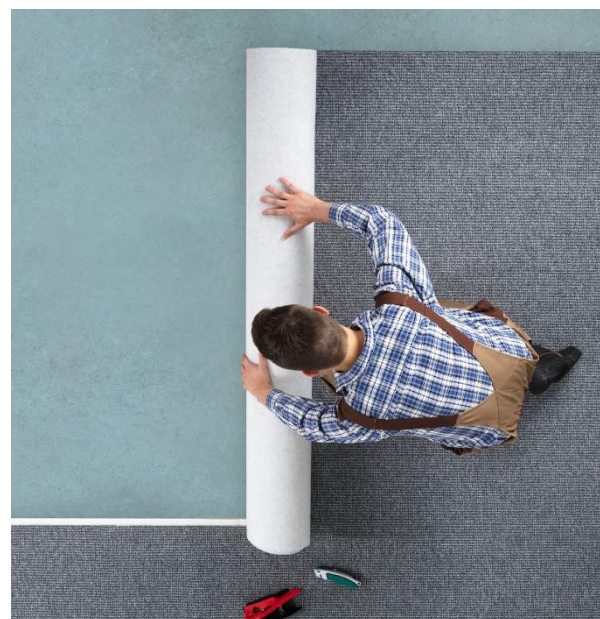
- Beneficial properties: lowering of production costs, optimized consistency

#### **Vinyl floorings:**

- Useful properties: cost reduction, weighting adjustment, stiffness correction
- High durability in combination with vinyl

#### **Rubber floorings:**

- Helpful properties: additional stiffness, improved abrasion resistance
- Optimization of rheological properties of rubber



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