

# CALOFORT® U

## precipitated calcium carbonate (pcc)

CALOFORT® U precipitated calcium carbonate (pcc) grade, manufactured at Specialty Minerals, Lifford, is a white microcrystalline powder characterised by high surface area, controlled particle shape and high whiteness.

CALOFORT® U pcc consists of agglomerated ultrafine calcitic crystals with an average primary particle size of 0.07µm.

CALOFORT® U pcc meets the requirements of the British, European and United States Pharmacopoeia.

### APPLICATIONS:

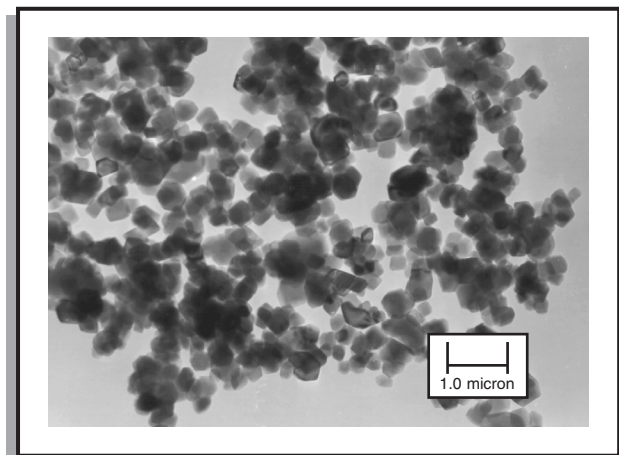
The high surface area and rheological structure-building ability of CALOFORT® U pcc makes it a versatile functional filler in many different applications. Its hydrophilic nature makes it particularly suitable for use in water-based systems though it is also compatible with many polymer and solvent-based systems.

CALOFORT® U pcc is used, alongside the coated CALOFORT® grades, to control rheology in sealant systems such as those based on butyl or polysulphide polymer when high shear dispersion is available.

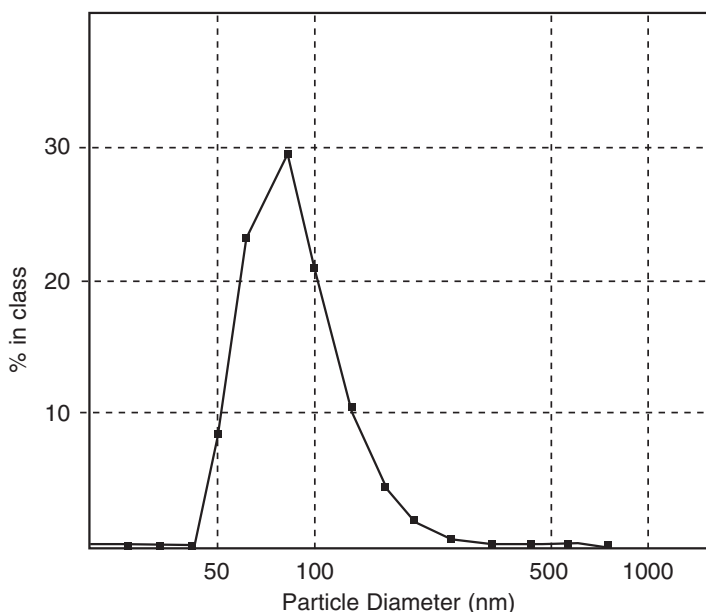
The regular particle shape of CALOFORT® U pcc makes it suitable for use in gravure inks where its low abrasion is an added benefit compared to other fillers.

Other uses of CALOFORT® U pcc include:

- In foods and beverages as a source of calcium
- Rubber reinforcement
- In pharmaceutical applications as an excipient
- Carrier for catalysts, peroxides, fragrances
- Detackification of thin film natural rubber
- Powder flow control additive



Typical Particle Size Distribution



Test	Units	CALOPAKE® U pcc
Appearance		White powder
Loss on drying (at time of testing) @ 200°C for 4 hrs.	%	1.0 max.
Surface area	m <sup>2</sup> /g	17 to 29
Colour L value		98.0 min.
Colour b value		1.0 max.

CALOFORT® U pcc is supplied to the above specification unless otherwise formally agreed.

Buyer acknowledges that the products sold hereunder are processed from naturally occurring minerals, and that natural variability in chemistry and other characteristics is to be expected. All products are sold on the understanding that the buyer is solely responsible for determining their suitability for the intended use. All information given and recommendations made herein are believed to be accurate, but no guarantee is made with respect thereto. SMI MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE GOODS DESCRIBED HEREIN. Buyer's terms that are contrary to or differ from those stated here are objected to except to the extent that Seller has agreed to them in writing.

**PACKAGING:**

CALOFORT® U pcc is available packed in 25kg paper sacks which are palletised and shrink wrapped into 1tonne unit loads.

We are happy to discuss alternative packaging to meet specific customer requirements.

**MANUFACTURING:**

Specialty Minerals Inc. (SMI) is a wholly owned subsidiary of Minerals Technologies Inc. and is the world's largest producer of precipitated calcium carbonate (pcc).

As part of SMI's commitment to quality, the Lifford Site Quality Management System is certified to BS EN ISO 9001:2000 and the Environmental Management System certified to BS EN ISO 14001:1996.

**STORAGE AND HEALTH & SAFETY:**

Refer to the separate Safety Data Sheet, which is available upon request.

**CONTACT DETAILS:****Specialty Minerals**

Lifford Lane, Birmingham B30 3JW. UK. Telephone: +44 121 252 4513. Fax: +44 121 252 4556.

E-mail: [spcc.sales.UK@mineralstech.com](mailto:spcc.sales.UK@mineralstech.com) Web site: [www.mineralstech.com](http://www.mineralstech.com)

