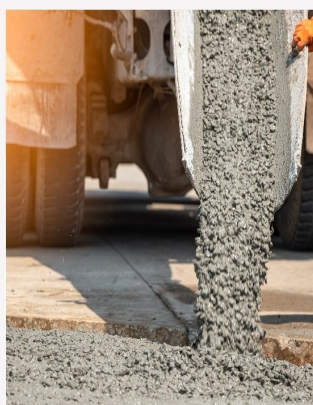


Engineered limestone filler for concrete.

The proven fillers behind European concrete, brought together under one name. Produced at our own quarries, certified for concrete, and backed by SigmaRoc technologists across Europe.



0.85 kg

CO₂ avoided per kg of
clinker displaced

Certified

DIBt approval, ETA and
CE marked products

UKAS

accredited concrete
testing (No. 1390)

One family

a grade for every
concrete application

Self-compacting concrete · Precast · Ready-mix · Tri-blend · Specialty

Why FormaCalx

For years the same family of proven limestone fillers has been sold under different local names across Europe. FormaCalx brings them together: one product family, one standard of quality control, and one technical organisation behind every plant.

Technical partnership

We do not hand over a bag and walk away. Mix design support, laboratory work and plant trials come with the product, backed by SigmaRoc's group technical team.

From our own quarries

FormaCalx is produced at SigmaRoc quarries across Europe. Short routes, secure supply, and full control of the stone from face to silo.

Certified and consistent

Approvals and certifications held where it matters, with factory production control behind every grade. The paperwork your quality system expects.

Proven in service

The same materials have carried demanding applications for years, from self-compacting concrete to precast production lines. One new name, nothing unproven.

Produced in six countries

Germany (Fels) · Sweden and Finland (Nordkalk) · Poland (Nordkalk) · Czechia (Vitosov) · Spain (La Belonga). Local plants, local language, local certification, one European standard.

Already buying from us under a local product name?

Nothing changes. Same quarry, same plant, same specification, same people. All certificates remain valid as issued, and your local contact stays your local contact. Only the name is new.

What limestone filler does in your concrete

Limestone filler is not an inert make-weight. Engineered to the right fineness, it works in four ways, and each one shows up where you can measure it.

Particle packing

Fine particles fill the spaces between cement grains and sand.

Denser matrix, better surface finish, fewer blowholes on visible faces.

Nucleation

Filler particles give cement hydrates extra surface to grow on, accelerating early hydration.

Higher early strength, earlier demoulding, faster bay turnover in precast.

Paste volume and rheology

The filler adds paste volume and controls viscosity.

Flowable, cohesive concrete: the backbone of self-compacting mixes that fill complex moulds without vibration.

Clinker displacement

Every kilogram of filler that replaces cement removes the most carbon-intensive component of the mix.

Around 0.85 kg CO₂ avoided per kg of clinker displaced, within the limits your national standard allows.

Three fineness grades cover the range: FormaCalx 40 (standard, bulk substitution), FormaCalx 60 (fine, structural and self-compacting work) and FormaCalx 90 (ultra-fine, architectural and premium SCC). Your country team recommends the grade against your mix and your national standard.

Where FormaCalx works

Self-compacting concrete

FormaCalx raises paste volume and controls viscosity, so SCC flows and self-levels without segregation or vibration. FormaCalx 60 SCC is approved for SCC under DIBt Z-3.35-1951, with European coverage under ETA-20/0232.

FormaCalx 60 SCC · FormaCalx 90

Precast

Finer grades accelerate early strength, so demoulding comes sooner and moulds turn faster. Fine particles fill the surface against the mould, giving the smooth, blowhole-free finish architectural work demands, with less reliance on vibration and the noise that comes with it.

FormaCalx 60 · FormaCalx 90

Ready-mix

A Type I addition under EN 206. At 15-20 % of the binder it delivers a meaningful CO₂ reduction per cubic metre. Your country team scopes the substitution rate for your mix and national annex.

FormaCalx 40 · FormaCalx 60

Tri-blend

Cement plus a supplementary material (GGBS, fly ash or calcined clay) plus FormaCalx: substantially lower clinker content within the frameworks of EN 197-5 and EN 206, blended at the cement plant or in your own mixer.

FormaCalx 40 · FormaCalx 60

Specialty

Shotcrete, injection and tunnel-backfill mixes depend on rheology and admixture anchoring, ground where limestone filler excels. Grade selection follows binder chemistry.

FormaCalx 40 · FormaCalx 60

The product family, and the proof behind it

Grade	Character	Typical use
FormaCalx 40	Standard fineness	Bulk substitution in ready-mix; tri-blends
FormaCalx 60	Fine	Structural precast, structural concrete, tri-blends
FormaCalx 60 SCC	Fine, SCC-certified	Self-compacting concrete (DIBt Z-3.35-1951, ETA-20/0232)
FormaCalx 90	Ultra-fine	Architectural precast, premium SCC, visible faces

Certified where it matters

- German national technical approval for SCC: DIBt Z-3.35-1951 (FormaCalx 60 SCC).
- European Technical Assessment ETA-20/0232.
- CE marking under EN 12620 with Declarations of Performance, AVCP 2+.
- EN 18136:2026, the new European product standard for ground limestone in concrete: FormaCalx grades will be specified against its categories as national adoption proceeds.
- UKAS-accredited concrete testing (laboratory No. 1390) behind the trial programme.

Try it before you commit: the FormaCalx Trial Programme

1 · Sample

2 · Laboratory mixes

3 · Plant trial at your site

4 · Results you keep

Side-by-side laboratory mixes against your current material, then a controlled trial batch at your own plant, with results reported openly, before you commit to volume.

Not a catalogue purchase

Behind every grade sit our local teams in six countries and SigmaRoc's group technical bench for mix design, trials and certification questions. Start with a conversation about your mix, not a datasheet.

Lower carbon, same concrete

Clinker accounts for most of the CO₂ in concrete. Where your national standard allows limestone filler to displace cement, every kilogram displaced avoids around 0.85 kg of CO₂, with strength and durability maintained through mix design. Where substitution is limited, FormaCalx still earns its place on quality: finish, flow and early strength. Your country team will tell you honestly which case applies in your market.

One contact, the whole group behind it

Behind every country team sits a dedicated group technical team: concrete technologists and laboratory support for specialist enquiries - mix design beyond the standard grades, certification questions, trials and application development. If your country team cannot answer it directly, they will bring the group team in.

Your contact, by country

Germany Fels-Werke GmbH Commercial nabil.peix@fels.de Technical philip.jordan@fels.de	Sweden Nordkalk AB Commercial peter.akerblom@nordkalk.com Technical (Nordics) conny.engstrom@nordkalk.com	Finland Nordkalk Oy Ab Commercial anssi.koikkalainen@nordkalk.com Technical (Nordics) conny.engstrom@nordkalk.com
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Applications, case studies, product family and your country contact. Ask your representative for application-specific documentation and the trial programme.