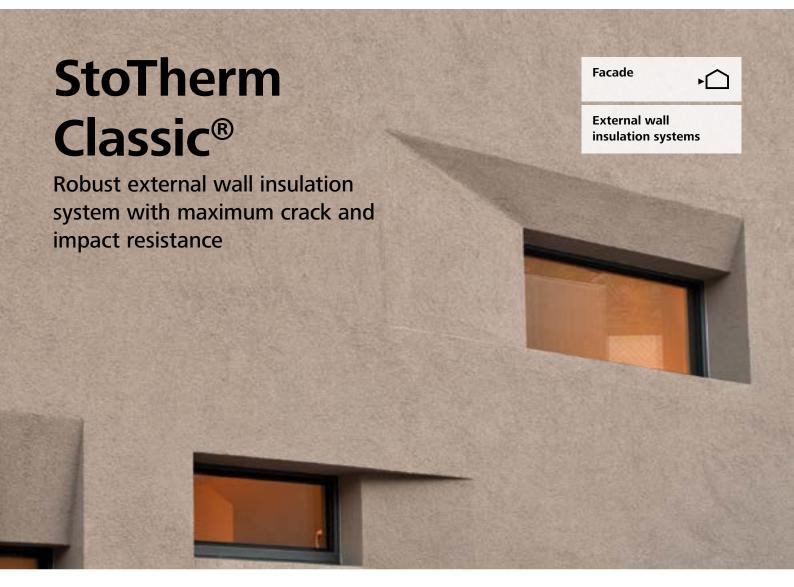
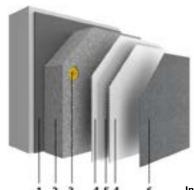


Building with conscience.



System advantages

- Highly resistant to mechanical stress
- System reliability—more than 100 million m² in use worldwide
- Resistant to cracking thanks to an organic coating build-up
- Highly resistant to microorganisms (algae and fungi)
- Intense, dark colour shades possible
- Cement-free, ready-to-use system components
- Feasible without intermediate coat and paint coat
- Resistant to hail, storms, and hurricanes according to the FIBAG simultaneous test
- Highly weather-resistant
- Permeable to water vapour and CO₂



Insulating layer

- 1 Bonding
- 2 Insulation
- 3 Fixing

Reinforcing layer

- 4 Base coat
- **5** Reinforcement

Material layer

- **6** Finishing coat
- **7** Cladding (optional)



Multible dwelling unit, Kaltern, IT

Bolzano, IT

Schlanders, IT

Sto-expertise: StoTherm Classic®,

Photo: © René Rillers,

Design: Monovolume.

StoColor Lotusan® G

Areas of application

- New and existing buildings up to high-rise level
- Suitable for passive house standard

Substrate

- Masonry such as brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer
- Concrete, concrete slab construction (three-layer concrete slabs)
- Timber construction (solid, frame, and panel construction)
- Steel construction (column and framing)
- Existing external wall insulation systems (doubling-up)

Fixing

- Bonding
- Bonding and fixing with anchors

Thermal protection

Insulation board made of EPS up to 400 mm

Reaction to fire

- Limited combustibility
- Classe B, C in accordance with EN 13501-1, depending on the system build-up
- Additional fire protection measures may be required

Impact resistance

- High mechanical resistance, up to 15 joules in standard build-up
- Resistant up to 60 joules with highly impact-proof build-up

Highest hail impact resistance class 5 with the appropriate system build-up

- Ball-impact resistant in accordance with DIN 18032-3
- Resistant to hail, driving rain, and hurricanes according to the FIBAG simultaneous test

Other properties

Optional Lotus-Effect® Technology

Design options

- Organic and silicone resin renders, render with Lotus-Effect® Technology in stippled or rilled textures or as free-style textured render
- Resin brick slips and 3D facade elements made of Verolith granulate
- Natural stone tiles, brick slips, and ceramic tiles possible following agreement

Colour spectrum

- Tintable in accordance with the StoColor System
- Light reflectance value < 25 % possible

Application

- Cement-free, ready-to-use system components
- No intermediate coat required
- Special protection against algae and fungi with a double coat of paint
- Suitable for application by machine
- QS technology makes it possible to carry out projects during the colder seasons

Approvals

The relevant European and/or national approvals apply

Material layer options









StoSignature

StoEcoshape

StoDeco

StoCleyer B

StoCleyer W

Finish

StoSignature (rendered surface)

Cladding

- StoEcoshapes (prefabricated render elements)
- StoDeco (three-dimensional facade elements), full-surface/partial
- StoCleyer B (resin brick slips)
- StoCleyer W (wood-grain appearance veneer)

Headquarters

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