



***stoanz ltd* | StoStucco System**

Plaster System on
timber frame construction

Sto the international brand

Selected with confidence worldwide.

Growth on a solid foundation

Since its establishment in 1835, Sto has undergone an astonishing course of development, from a simple German lime and cement works into one of the leading suppliers of facade insulation systems and manufacturer of high-quality exterior & interior plaster systems and coatings worldwide.

Sto AG has subsidiaries and distribution partners in over 50 countries around the globe. This presence provides Sto with a precise understanding of local climatic conditions, architectural styles, building practices, standards and tastes.

As the authorized partner of Sto for Australasia, **Stoanz Ltd** is committed to the Sto philosophy. Today having developed a full range of Sto plaster systems that have been tested and certified by BRANZ for the New Zealand market, Sto is recognized as a leader in the plaster facade and cladding market.



Head office Sto, Black Forrest, Germany.



People and architecture, Sto provides the link

Architecture plays an important role in our lives. It lends urban and rural landscapes character, and should ideally be embedded in an intact environment. For us, "Building with conscience" means enhancing functionality and aesthetics on a sustainable basis and creating an environment in which people feel at one with their surroundings.

Apart from researching, developing and marketing Sto products, systems and services, we also attach great importance to optimising the value added process for trades people, architects and building owners alike.

Sto facades

International benchmark in plaster and facade systems.



StoStucco.

An outstanding solution with a traditional background

Stucco dating back to the application of mixed clay plasters in pre Biblical times has traditionally been used to decorate and protect buildings. Embracing this concept with the latest technology and selected additives, Stoanz has specifically engineered the StoStucco, a plaster system on a stainless steel lath to meet the requirements of New Zealand's house owners, designers and specifiers. This unique and certified cladding solution offers a proprietary system to clad timber framed construction and gives architects the opportunity for an unlimited range of design concepts.

With a complex range of modern analytical equipment Sto pursues innovative technology that will meet ecologically acceptable standards. Using this approach Sto has developed a comprehensive range of facade plasters, finishing renders and cladding solutions to enable the specifiers to select an individual style to meet the project requirements.

We respect the interests of people and nature at all times

In order to define and implement its ecological targets, Sto has developed a system of environmental management conforming to international standards. This relates to the entire process chain - from the procurement of the raw product, to production, packaging and logistics.

Sto products make a clear contribution towards improving the quality of the environment. External wall insulation cladding systems are extremely energy efficient, cutting heating requirements and preventing the release of CO₂ emissions. These systems contribute to the effort Sto is making towards active environmental protection through reducing air pollution, heating and energy to conserve the global climate.

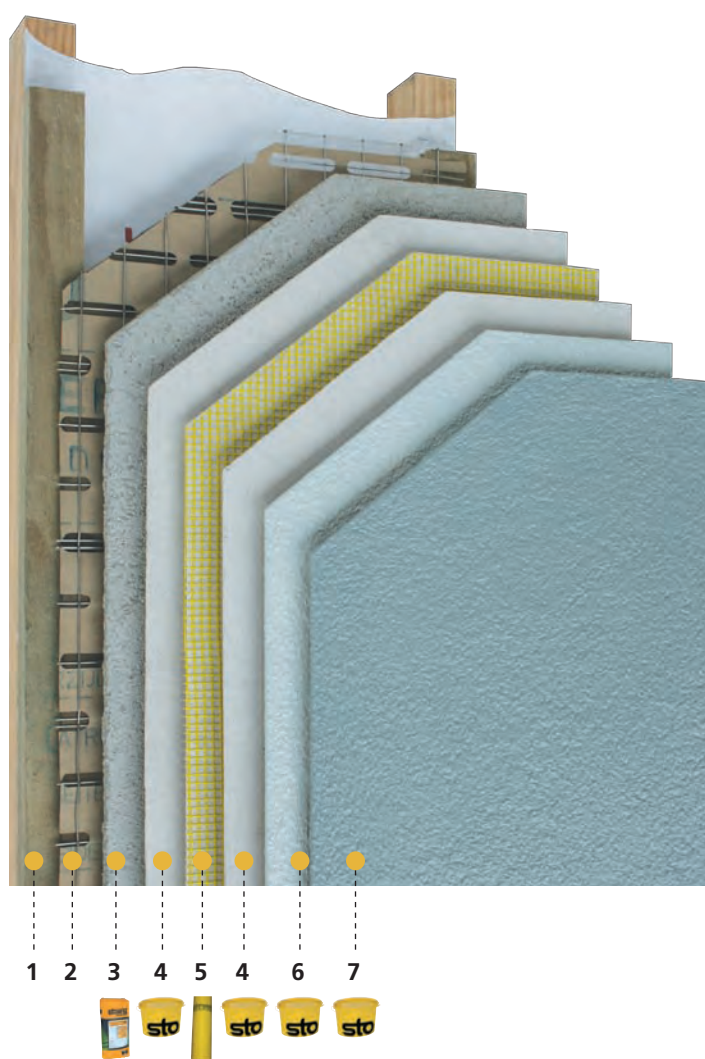


Sto with its environmental efforts is always a step ahead.

StoStucco Plaster System 20 mm

A traditional method embraced with the latest technology.

StoStucco is a BRANZ appraised plaster system based on the traditional New Zealand stucco net system. It incorporates a European stainless steel lath which is plastered with a lightweight mineral basecoat to provide a thick solid plaster base. As additional reinforcement, the StoArmat RFP mesh reinforcement plaster incorporating micro fibres and lightweight fillers provides the strength and durability. It is then finished with the perfect interlocking components; Stolit finishing render and Sto facade paint. Using modern technology with enhanced and well engineered materials this Stucco plaster system provides a strong and durable solution for a high performance facade.



Perfect interaction

1 Timber battens

25 mm rough sawn timber battens.

2 Substrate: Stainless steel lath

European manufactured and certified lath, which is light and strong, easy to shape and to install.

3 Basecoat: LevelLite 16 mm

Lightweight EPS bead mineral plaster with good build properties, water retention agents and machine application properties.

4 Reinforcement: StoArmat RFP

European manufactured and certified, strong, malleable, impact resistant, white reinforcing plaster in a pail. Contains a calibration grain ensuring correct mesh coat thickness. (No cement)

5 Plus: Sto European mesh

Easy to install, meets the highest requirements for crack, stress and alkalinity resistance.

6 Finishing render: Stolit range

European manufactured and certified, organically bound, strong, hard wearing, impact resistant, pre coloured finishing renders. (No cement)

7 Coating:

StoColor Maxicryl - matt facade paint

StoLastic Color - satin matt facade paint

European manufactured and certified durable facade paints available in a full range of colours.



BRANZ appraisal 605



15 years system warranty

masterspec 4281 SL - Stucco

For more information and CAD details
please visit:
www.sto.co.nz
(for technical, click on: Building with Sto)

Interlocking components for a cost-effective and easy installation.

Perfect interaction

StoStucco system is cost-effective, solid, durable and offers greater flexural strength, higher impact resistance and faster installation than conventional stucco.

Incorporating a lath made from a stainless steel welded wire mesh into which an absorbent sheet of perforated chip paper is interwoven, it allows the applicator to work faster and more efficient. The perforations in the chip paper allow an optimal key of the mortar around the stainless steel wires.

Combining lightweight engineered mineral basecoat with technologically advanced fibre reinforcement plaster and elastomeric finishes, it creates a stucco cladding that is superior to the traditional, hand mixed applicator product.



StoStucco System: stainless steel lath fixed on a timber frame construction.



Mechanical application of Sto plaster using a PFT Ritmo mixing pump.

Save time and costs

StoStucco's time and cost efficiency results not only from the quick and easy installation of the lath. Using a PFT Ritmo mixing pump the Sto System can be applied in a fraction of the usual application time.

Advantages:

- no pre mixing of plaster
- plaster mix of constant quality
- instant delivery to the work face
- ease of application
- saving labour costs
- saving time



Stolit: Coloured finishing renders

Provide your facade with optimum protection.

Stolit: Organic finishing render

Stolit organic finishing renders are manufactured in Europe and certified around the world.

They have been in successful use for over 50 years on a variety of different substrates. During this time they have undergone a continual process of optimisation.

The perfect combination of properties:

Durable, strong, hardwearing, impact resistant, malleable, weather resistant, colour stable and highly resistant to micro-organisms. They are designed with good vapour permeability to allow the building to breathe while still repelling liquid water. All renders are easy to apply and can be tinted from the StoColor System or matched to the colour of your choice, using the Sto spectrometer.



Stolit K 1.0 mm



Stolit K 1.5 mm

Coloured self gauging float finishing renders.



Stolit K 2.0 mm



Stolit K 3.0 mm

Coloured self gauging float finishing renders.



Stolit MP



Stolit MP Natural

Coloured fine float, sponge or light adobe finishing render.

Coloured fine finish float, sponge or light adobe sand speckled finishing render.



Whichever plaster you choose, it will be part of the tested and approved system and will provide optimum protection and durability.

The perfect finish: Competence in colour

Give your facade the look it deserves.

The well-aimed use of colour in a manner which complements the architecture is subject to specific laws. The StoColor System provides a clear framework and a systematic approach to colour design based on subtly nuanced colour concepts of high aesthetic appeal.



The StoColor System

Is a structured system offering great variety in a unique planning instrument for the use of colour. A total of 800 different colours establish a sound foundation for creative and pioneering colour concepts. The StoColor System eschews colorimetric logic in favour of human perception of colour. It is based primarily on the colours yellow, orange, red, violet, blue and green. These six sections

are then mixed to form the 24 basic tones which correspond to the 24-part colour wheel. Each basic tone is assigned five colour rows which embody the principle of the same-colour triangle. This guarantees the StoColor System's high degree of functionality – designed in line with the aesthetic colour requirements in construction.



StoColor Maxicryl

European manufactured and certified, hard, durable, matt, acrylic facade paint for a natural look. Available in a full range of colours.



StoLastic Color

European manufactured and certified, elastic, durable, dirt resistant and vapour permeable satin matt facade paint for added durability. Available in a full range of colours.

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Available nationally through the Sto applicator network.