



Shelly Bay, Auckland.

StoStucco Plaster System
Following the frame straight
curved & round construction

Unlimited Design Possibilities

Stucco, an outstanding solution with a reinforced backing, dates back to pre biblical times using saplings and an application of clay plasters to decorate and protect buildings.

Embracing this concept by using the latest plaster technology and European components, Sto has released StoStucco, a plaster system on a rigid stainless steel lath. This compliant system meets the requirements of The New Zealand building code for architects and designers. Following traditional practices the StoStucco System is a guaranteed solution to cover timber framed construction and allows the designer an opportunity to bend the rules when designing residential or commercial construction property.



Residential & Commercial Facade Systems

Sto an International benchmark in plastered facade systems

Growth on a solid foundation: Since its establishment in 1835, Sto has undergone an astonishing course of development. It has evolved from a simple German lime and cement works into one of the world's leading suppliers of facade systems, high-quality exterior and interior plaster systems and coatings. Sto with subsidiaries and distribution partners in over 50 countries worldwide has a precise understanding of local climate conditions, architectural styles, building practices, standards and cultural differences. 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 cladding systems that have been tested and certified by BRANZ for the New Zealand market, Sto is recognized as a leading supplier of exterior construction systems.



Sto systems have each been tested and appraised by **BRANZ** - Building Research Association New Zealand Testing and Evaluating Systems to ensure they comply with the New Zealand Building Code

Sto | Building with conscience.

Mon Desir Apartments, Auckland.



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 Sto, "Building with conscience" means enhancing functionality and aesthetics on a sustainable basis and creating an environment that harmonises with the surroundings.



European plaster technology in a pail

- Organically bound plasters manufactured and certified in Europe
- StoLit pre-coloured finishing renders
- StoArmat reinforcement plaster with a crack resistance of up to 6 times more than cement based products
- Products that already meet the stringent 2010 European VOC requirements

StoStucco

Easier application – high efficiency and reliability

StoStucco is a BRANZ appraised plaster system based on the traditional New Zealand stucco net system. It is cost-effective, highly flexible, durable and crack resistant. With simple installation and easy assembly, it far outways any conventional stucco system.

The system Incorporates a lath made from a stainless steel welded wire mesh and can be moulded to suit the shape and curvature in buildings, creating unlimited design possibilities.

This is combined with a lightweight engineered mineral basecoat and technologically advanced fibre reinforcement plaster system and finish. StoStucco is superior to the traditional, hand mixed applicator product and comes with a Sto warranty.

Benefits at a Glance

- Saves Time and Cost
- Unlimited design possibilities due to the flexible lath
- Cement-free reinforcing compound / base coat with guiding grain
- Flexible and crack-proof
- High durability and impact resistance
- Highly resistant to mechanical stress
- Ready-to-use
- Range of Finishes
- Weathertight
- Faceload tested to 6.5 kPa
- Seismic Racking Test
- ISO 5660 fire tested
- Wind Pressure to 4.9 kPa 69m/sec
- Residential & Commercial applications



Tauranga Residence

StoArmat Reinforcement Plaster

An organic, cement-free reinforcing compound StoArmat Classic with guiding grain has evolved over 50 years with a successful global history covering 100 million metres plus. The flexible properties, application reliability and security of a twenty year warranty has ensured StoArmat Classic has become a bench mark in the New Zealand market.



A bend test demonstrating the extraordinary elasticity and resultant high crack resistance of Sto synthetic plasters.

Weathertight

The StoStucco system incorporates a first and second line of defence against water penetration * by separating the cladding from the external wall framing and then providing a min 3mm of synthetic waterproof plaster and finishing coats which protect against moisture, dirt and environmental forces..

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.



StoStucco Plaster System

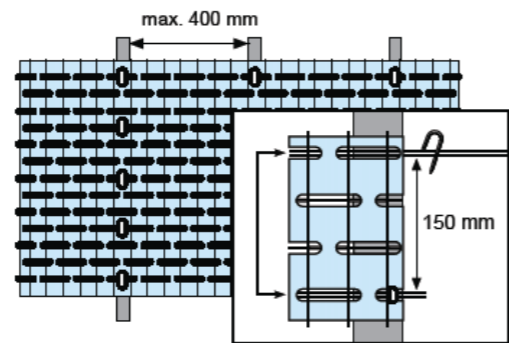
A traditional method embracing the latest technology

A functioning system is based on the optimum performance of its separate components. Over 40 years of fine-tuning and the ongoing development of the components have contributed to constant improvements.

StoStucco Plaster System - Incorporates a European lath made from a stainless steel welded wire mesh with an absorbent sheet of perforated chip paper, and fixed over timber battens to form the cavity. The perforations in the chip paper allow an optimal key of the lightweight mineral basecoat to sit around the stainless steel wires, providing a thick solid plaster base. The uPVC flashings lock into the junctions and joinery providing a neat junction ready for a weathertight sealant.

As additional reinforcement, StoArmat Classic mesh reinforcement plaster is applied over the basecoat. StoArmat is a cement-free, ready-to-use, flexible plaster, providing maximum crack and shock resistance. The Glass fibre mesh is an alkali-resistant reinforcing mesh with total uniform force absorption and it reliably dissipates tensile and shear stress.

The façade is finished with interlocking components; Stolit coloured finishing render plus a StoCoating of your choice, providing a strong and durable solution for years to come.



StoStucco Lath with cavity battens.



StoArmat application.



Perfect Interaction

- 1. Timber battens**
25 mm x 45 mm timber cavity battens.
- 2. Substrate: Stainless steel lath**
European manufactured and certified lath, which is light and strong, easy to shape and to install. Includes uPVC flashings for joinery, junctions and terminations.
- 3. Basecoat: Levelite Mineral Plaster**
Lightweight EPS bead mineral plaster with good build properties, water retention agents and machine application properties.
- 4. Reinforcement: StoArmat Classic**
European manufactured and certified, strong, malleable, impact resistant, reinforcing plaster in a pail. Contains a calibration grain ensuring correct mesh coat thickness. (contains no cement)
- 5. Sto European mesh**
Easy to install, meets the highest requirements for crack, stress and alkalinity resistance.
- 6. StoLit K & MP Coloured Finishing Renders**
Sto manufactured, organically bound, strong, hard wearing, impact resistant, pre coloured finishing renders. (contains no cement).
- 7. Coating:**
 - StoColor Maxicryl** - matt facade paint
 - StoColor Lastic** - satin matt facade paint
 - StoColor Lotusan** - mineral resin, self cleaning paint with the lotus effect.

For more information and CAD details please visit: www.sto.co.nz

StoLit: Coloured Finishing Renders

Provide your facade with optimum protection.

StoLit organic finishing renders are manufactured in Europe and certified around the world. Using the latest technology, they have been successfully used on a variety of substrates in every climatic zone for over 50 years.

The StoLit range provides the perfect combination of properties: durable, strong, hard wearing, impact resistant, malleable, weather resistant, colour stable and highly resistant to microorganism. In addition, its vapour permeability allows the building to breathe while still repelling liquid water.

All StoLit 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 system.

Stolit K - (1mm/1.5mm/2mm/3mm) coloured float finished self gauging granulated finishes.

Stolit MP & MP Natural - a range of coloured finishing fine sponge finishes.

Whichever finishing render is chosen, it is part of a tested and approved system providing optimum protection and durability. This makes it indispensable on today's construction sites!



StoLit MP



StoLit MP Natural



StoLit K 1.0mm



StoLit K 2.0mm



StoLit K 1.5mm



StoLit K 3.0mm



All renders provide weather protection for buildings. Sto synthetic renders are polymeric, allowing them to repel water and breathe, providing extra longterm protection superior to traditional thick coat renders.



Roughcast + StoColor Coating



The Perfect Finish:

Facades as individual as your personality

The StoColor System; A good basis for creative ideas plus a well-aimed use of colour in a manner which complements the architecture. The StoColor System of 800 colour shades, provides a clear framework and a systematic approach to * design based on subtly nuanced colour concepts of high aesthetic appeal.

There are a total of 800 colour shades available for trending colour concepts. The special feature is the StoColor System eschewing stringent colorimetric logic in favour of the human perception of colour. StoColor System guarantees a high degree of functionality – designed in line with the aesthetic colour requirements in construction.

Note: The Sto Spectrometer Colour System can also match virtually any colour with accuracy.

Tested protection and quality

Sto paints provide an easy surface to maintain and an initial layer in the Sto protection system fulfilling all important building physical requirements in terms of diffusion and protection. The Sto facade paint range is both economic and environmentally friendly.



The Sto Spectrometer Colour System can match virtually any colour with accuracy.



Overview of facade paints			
Product	StoColor Maxicryl European manufactured and certified, hard, durable, matt, acrylic facade paint for a natural look.	StoColor Lastic European manufactured and certified, elastic, durable, dirt resistant and vapour permeable satin matt facade paint for added durability.	StoColor Lotusan European manufactured and certified, self cleaning mineral resin paint with a breathable structure.
Binding Agent	Organic	Organic	Lotus-Effect®
Hiding Power	●●	●●	●●
Water Vapour Permeability	●	●	●●
Water Repellent Effect	●●	●●	●●*
Algae/Fungi Resistance	●	●	●●
Crack Bridging / Filling		●●	
Gloss Level	Matt	Satin Matt	Matt
Self-Cleaning (Lotus-Effect®)			●●
Fade Resistance	●●	●●	●●

●● Excelent ● Good * Maximum effect

Well Advised

Let yourself be inspired

Individual customer consultation and project support is the basis of a good business relationship at Sto. Whether on the telephone, in the Sales Centre or on the construction site – we will be pleased to provide you with advice, assistance and creative ideas.

The Sto service

Service at Sto goes far beyond the development and sale of high-quality products. Ultimately, any product is only as good as its application. This is why we place great emphasis on service and consultation. The Sto staff are there for their customers, providing comprehensive information and tips on the practical use of new application methods and offering support directly on the construction site.

Smart and Sustainable

Our impact on performance is big, but our footprint on the environment is small. All Sto products are vapour permeable, easy to apply, safe and nontoxic and have low VOCs. We incorporate sustainable practices throughout our operations, earning us ISO 14001 certification for our environmental management system. Many of our products help reduce the environmental impact of construction by reducing maintenance requirements and extending the building façade's lifecycle.

For Contact details of your nearest consultant please see the back of the brochure.

Or visit www.sto.co.nz for further details.



St Johns, Gisborne.



Wanaka Church.



Five good reasons why choosing Sto pays.

- 1. Enhanced property value**
Protecting your house against the environmental influences with Sto is always a worthwhile investment, as the building fabric is provided with lasting protection.
- 2. BRANZ Approved**
Brnz certification to ensure exterior elements meet the structural, weathertight and durability requirements as stipulated by the government standards and building codes.
- 3. 20 Year Warranty + Maintenance Schedule**
All StoStucco projects come with a 20 Year written warranty + Maintenance Schedule, so you can have peace of mind knowing you are covered.
- 4. Fast, Efficient, Quality Workmanship**
All projects are completed by a registered Sto Applicator.
- 5. Building with Conscience**
Sto's products make a clear contribution towards improving the quality of the environment - from the procurement of the raw product, to production, packaging and application.

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