4282SR STO MASONRY PLASTER SYSTEMS

1 GENERAL

This section relates to **Stoanz Ltd Sto** plaster rendering systems, applied by hand, or pump over:
- concrete substrates
- concrete block
- brick
- AAC (autoclaved aerated concrete) blocks, panels & bricks
- ICF blocks (polystyrene)

Stoanz Ltd products must be installed by an approved applicator.

1.1 RELATED WORK
Refer to ~ for ~

1.2 ABBREVIATIONS AND DEFINITIONS
Refer to the general section 1232 INTERPRETATION & DEFINITIONS for abbreviations and definitions used throughout the specification.

The following abbreviations apply specifically to this section:

AAC	Autoclaved Aerated Concrete
EPS	Expanded Polystyrene Sheet
EIFS	External Insulation and Finish System
ICF	Insulating Concrete Formwork
LRV	Light Reflectance Value
MPNZA	Master Painters New Zealand Association

Documents

1.3 DOCUMENTS
Refer to the general section 1233 REFERENCED DOCUMENTS. The following documents are specifically referred to in this section:

NZBC E2/AS1	External moisture
NZS 4210	Masonry construction: Materials and workmanship
AS/NZS 4858	Wet area membranes
WorkSafe NZ	Guidelines for the provision of facilities and general safety in the construction industry
MPNZA	Health and Safety Programme
Health and Safety at Work Act 2015	

Documents listed above and cited in the clauses that follow are part of this specification. However, this specification takes precedence in the event of it being at variance with the cited document.

1.4 MANUFACTURER/SUPPLIER DOCUMENTS
Manufacturer's and supplier's documents related to this section are:
Sto Product manual with specification and CAD details
Sto Technical data sheets
BRANZ Appraisal 515   StoArmat Miral Render Systems
BRANZ Test No. DC1182 Sto Flexyl waterproofing to AS/NZS 4858
BRANZ Test FH4008.1 heat release performance level A unrestricted
BRANZ appraised concrete block joinery rebate / Sto details to differential design ULS wind pressure of 2.5kPa

Materials and execution to **Stoanz Ltd** specification except where varied by this specification and supported by architectural detailing.

Copies of the above literature are available from:

Company:	**Stoanz Ltd**
Web:	www.sto.co.nz
Email:	info@sto.co.nz
Telephone:	0-4-801 7794

Warranties

1.5   WARRANTY

Warrant this part of the work under normal environmental and use conditions against failure of materials and execution. The **Sto** Applicator must complete the **Sto** quality assurance compliance procedure form and applicator warranty. The **StoArmat Miral & Sto Miral** Plaster System is warranted as follows:

Materials: 15 years from date of practical completion
Execution: 5 years from date of practical completion

Refer to the general section for the required form of 1237WA WARRANTY AGREEMENT and details of when completed warranty must be submitted.

Requirements

1.6   QUALIFICATIONS

Use only applicators registered to apply the **Sto** plaster render systems.

1.7   NO SUBSTITUTIONS

Substitutions are not permitted to any specified **Sto** plaster render system.

1.8   PROTECTION OF NEW PLASTER

Provide protection systems as required by the manufacturer to protect fresh plaster from adverse weather conditions.

1.9   INSPECTIONS

Allow to inspect the whole of the work at each stage. Determine a programme for inspections including notification when each part and stage of the work is ready for inspection prior to the work commencing.

Permit representatives of **StoanzLtd** to inspect the work in progress and to take samples of their products from site if requested. Refer to **Sto** product manual

1.10   SAMPLES

Refer to the general section 1270 CONSTRUCTION for details of how samples will be reviewed and how instructions to proceed will be given. Provide the following samples for review:

	Sample A	Sample B	Sample C
Sample description:	~	~	~
Sample type:	~	~	~
Number:	~	~	~
Location:	~	~	~
Supporting documentation:	~	~	~
Reviewer:	Contract administrator ~	Contract administrator ~	Contract administrator ~
Time for review:	10 working days ~	10 working days ~	10 working days ~
Review criteria:	~	~	~

1.11   INFORMATION FOR OPERATION AND MAINTENANCE

Provide **Sto** Maintenance Schedule before practical completion of the contract for issuing to the building owner.

1.12   HEALTH AND SAFETY

Refer to the requirements of the Health and Safety at Work Act 2015 and WorkSafe NZ: Guidelines for the provision of facilities and general safety in the construction industry.
If the elimination or isolation of potential hazards and risks is not possible then minimise hazards and risks in this work on site by using the proper equipment and techniques as required in the MPNZA Health and Safety Programme. Supply protective clothing and equipment. Inform employees and others on site of the hazards and risks, and put into place procedures for dealing with emergencies. Obtain from **Stoanz Ltd** the material safety data sheets for each product. Keep sheets on site and comply with the required safety procedures.

1.13   PRODUCER STATEMENT

Provide the producer statement compiled by the licensed applicator in the form as required by the Building Consent Authority.

Compliance information

1.14   DURABILITY

The work covered by this part of the specification has been designed and constructed to meet the NZBC durability requirement of 15 years with a serviceability life in excess of 30 years when maintained. Refer to the following:
BRANZ Appraisal 515 - StoArmat Miral Plaster Systems

Performance

1.15   PERFORMANCE

Accept responsibility for the structural and weather-tight performance of the exterior render application.

1.16   TESTS

Refer to BRANZ Test No. DC1182 **Sto Flexyl** waterproofing to AS/NZS 4858 for waterproof membranes.
Refer to BRANZ Test FH4008.1 Heat release test - performance level A over ICF Blocks.
Refer to BRANZ appraisal Heat release test - performance level A over masonry surfaces.
Refer to BRANZ appraised concrete block joinery rebate / Sto details to differential
design ULS wind pressure of 2.5kPa.

2   PRODUCTS

Materials

2.1   LEVELLITE PLASTER

Lightweight mineral basecoat plaster in a bag. The material contains mineral aggregates, water retention agents, adhesive compounds, EPS beads and other additives to form a solid levelling/straitening, basecoat plaster.

2.2   POREN PLASTER

Mineral basecoat plaster in a bag. The material contains mineral aggregates, water retention agents, adhesive compounds, fibre and other additives to form a solid levelling/straitening, basecoat plaster.

2.3   MULTISCREED PLASTER

Mineral basecoat plaster in a bag. The material contains mineral aggregates, water retention agents, adhesive compounds, fibre and other additives to form a solid levelling/straitening, basecoat plaster.

2.4   STO GLASS MESH

Alkali-resistant 165g/m² fibreglass mesh in 50 metre rolls.

2.5   STO STOPLEX W PRIMER OR PROTECTOSIL WS205 SEALER

Aqueous acrylate universal consolidating sealer with siloxane additive.

2.6   STO FLEXYL MESHED WATERPROOFING

Aqueous copolymer dispersion binder in a pail that when mixed with Portland cement forms a waterproofing plaster mortar that is applied with mesh. The material contains a copolymer synthetic binder, mineral fillers, fibre and enhancement additives.

2.7   STOARMAT MESHED REINFORCEMENT PLASTER.

Reinforcement plaster in a pail with a calibration grain. A white non cement flexible meshing plaster containing organic fillers and fibres bound in a polymer dispersion to form a malleable crack resistant intermediate plaster with excellent adhesion qualities.

2.8   STOLIT K / MP COLOURED FINISHING RENDERS

Six different coloured finishing renders (as selected) in a pail. Containing organic aggregates and fibres bound in a polymer dispersion with enhancement agents and colouring pigments. Refer to SELECTIONS for texture and colour.

2.9   STOCOLOR MAXICRYL FACADE PAINT

Matt coloured pure acrylate facade paint. Natural looking matt, hard, durable, coating with excellent resistance to weathering. Refer to SELECTIONS for colour.

2.10   PROTECTOSIL SC EASY CLEAN

Clear, invisible Silane sealer for ease of cleaning and added protection against staining of coloured sponge finishes (Note: were a clear coating is required contact Stoanz Ltd).

2.11   STOPUR WV 200 TRANSPARENT

Matt, clear, two pack urethane coating, natural looking (no darkening) sealer with excellent resistance to weathering as a clear coating for honed (architectural) concrete blocks.

2.12   INTERIOR GYPSUM PLASTER

Gypsum whiteset plaster in a bag applied by pump for finishing interior masonry surfaces to a straight even plane.

Accessories

2.13   FLASHINGS

Head jamb sill and any other required flashings made from powder coated aluminium, stainless steel or uPVC supplied by main contractor for timber, aluminium and uPVC joinery to NZBC E2/AS1 and masonry construction requirements.

2.14 STO FLASHINGS AND COMPONENTRY

Sto uPVC flashings are to be used for weatherproofing the exterior plaster at transitions, junctions, terminations and for forming corners and drip edges.

2.15 STO CONTROL JOINTS

Sto uPVC 8mm or 12mm uPVC control joint.

2.16 ARCHITECTURAL SHAPES

Polystyrene shapes used to create decorative detailing, fixed using a suitable construction adhesive or glue plaster applied to the shape prior to placing over the mesh coat.

2.17 STO JOINT SEAL TAPE

An expanding polyurethane foam impregnated Inseal tape for weatherproofing joints.

2.18 SEALANT

BRANZ appraised modified silicone (MS) sealant.

3 EXECUTION

Conditions

3.1 DELIVERY

Keep **Sto** bagged plaster products dry in transit. Take delivery of **Sto** plaster products in good condition. Reject all damaged materials and immediately notify supplier in writing.

3.2 STORAGE

Deliver all materials in original unopened packaging with labels intact. Provide dry storage on site, stack carefully, protect from mechanical damage. Keep bagged render dry and off concrete surfaces.

3.3 PLASTERING CONDITIONS

Carry out plastering to **StoanzLtd** specification under conditions which will not adversely affect the finished work.

3.4 PROTECT

Before application of plaster, apply masking film and tape to all joinery, pipes, roofs and all areas likely to be marked by the plaster. Use drop cloths and ground covers to keep the working areas clean. Clean off droppings onto finished work immediately.

3.5 SUBSTRATE

Ensure the main contractor and the sub trades are aware of their responsibilities relating to the required provision of weather tight details at all dissimilar material overlays, junctions, penetrations and transitions including any blockings or back flashings required (refer to www.sto.co.nz for details).

Do not commence work until required openings and apertures have been cut, pipes, fixtures, fixing pads and plugs have been fixed and flashings and other preparation are complete. Do not commence plastering until substrate is of the required standard by the **Stoanz Ltd** approved applicator. All defects in substrate must be rectified prior to application of plaster coatings commencing.

3.6 FLASHING AND DETAILING

Adhere to the **StoanzLtd** flashing details. Penetrations such as waste pipes and fixing brackets shall be adequately flashed and waterproofed prior to plaster application. Carry out to the required standard of execution to ensure water does not penetrate.

3.7 STANDARDS AND TOLERANCES

Comply with the tolerances laid down in NZS 4210 Table 2.2. To have no deviation more than 3mm from a straight edge 1200mm long. Abrupt deviations will not be accepted.

3.8 CONFIRM LAYOUT

Before commencing work confirm the layout of expansion joints and other visual detailing of the finished work.

Application

3.9 CHECK SUBSTRATE

Ensure that constructed substrates and adjoining surfaces are, after the preparation called for in this section, of the required standard. All mortar joints to be flush finished with all slurry and protrusions ground off by the brick / blocklayer. Do not commence work until the substrate is of the required standard.

3.10 INSTALL UPVC FLASHINGS

Install all **Sto** uPVC flashings to joinery and terminations as required. Glue into position with construction adhesive prior to plaster application commencing or install in mesh coat application.

3.11 IRREGULARITIES

Before commencing fill voids or damage in masonry surfaces with **LevelLite** plaster to reinstate substrate. On EPS / ICF blocks rasp off any degraded poly surfaces and foam fill any gaps or holes and allow to set before rasping level.

3.12 PENETRATIONS

All penetrations such as waste pipes, electrical wiring in uPVC conduits and metal plumbing piping install with a minimum 5° downward slope, through the **Sto** plaster system, to be sealed using a double application of MS sealant.

3.13 CONTROL JOINTS

Provide control joints in the plaster system to coincide with control joints in the substrate and/or junctions between dissimilar materials or where shown on the drawings and to **StoanzLtd** requirements. Insert **Sto** flexible uPVC 8mm or 12mm control joints in the **StoArmat** mesh coat ensuring the mesh coat does not overlay the V joint. Either coat the V joint in the paint system for a negative detail or fill with MS sealant, concave tooled.

3.14 ARCHITECTURAL PROFILES AND INTER STOREY JOINTS

Architectural profiles (normally pre-meshed poly mouldings) used to create detailing or cover or inter-storey joints (panel construction) are to be fixed after the substrate has been mesh plastered or waterproofed. Attach using Gluecoat mortar applied to the back face. Mechanical fixings may be required for larger or heavy profiles. All plant on shapes are to be pre-meshed and to be meshed on to the base mesh plasterer before the finishing plastering commences.

3.15 SEALANT INSTALLATION

All junctions between joinery / adjacent surfaces / dissimilar materials sections and the plaster mesh coat, and around penetrations shall be sealed with MS sealant. Allow to cure before applying finishing plaster.

3.16 FINISHING

Refer to SELECTIONS for finish and colour.

Sto Masonry Plaster Systems

StoArmat Miral Plaster System for Concrete Blocks

3.17 SURFACE PREPARATION

Before the installation of door and window joinery waterproof the masonry recess/rebates with two coats of **StoFlexyl** correctly mixed with Portland cement. The sill is required to be mesh reinforced from the bottom of the rebate out to the edge of the sill and turned up the jambs by 40mm.

3.18 CONTROL JOINTS

Mark out all control joints that have been installed in the concrete substrate so that Sto uPVC control joints can be installed in the mesh coat.

3.19 BASECOAT PLASTER

Apply one levelling/straightening coat of **LevelLite** basecoatplaster by hawk and trowel or pump at an approximate thickness 8/10mm using screed guides and stainless steel corners as required. Rule or screed the surface to achieve a level plane ensuring a minimum thickness of 5mm is achieved.

3.20 BALUSTRADE & PARAPET TOPS / HORIZONTAL LEDGES / FLOOR SLAB TRANSITIONS / FOUNDATION SPLASH ZONES

A minimum slope of 10° is required on all horizontal surfaces. To LevelLite base coated surfaces apply **Sto Flexyl** / meshed waterproofing correctly mixed with Portland cement and extend 75mm up and down any adjacent vertical plaster surfaces. Allow to dry and apply the **StoArmat** mesh coat. Sto Flexyl waterproofing must attain a minimum thickness of 1.5mm to meet E2/AS1 and AS/NZS 4858. For concrete foundation details **Sto Flexyl** is applied extending 200mm above ground to 100mm past the finished plaster system.

3.21 MESHED REINFORCEMENT PLASTER

To dry **LevelLite** surfaces apply **StoArmat** reinforcement plaster at approximate thickness of 1.5 / 2mm. While plaster is still wet lightly embed **Sto** mesh ensuring adjacent drops of mesh are overlapped by a minimum of 75mm. Float surface to ensure mesh is embedded onto the **StoArmat** coat, allow to dry then apply one further coat of **StoArmat** at approximately 1mm thick to leave the plane even surface free of voids or deviations.   Once dry remove any slight ridging with a **Sto** rasp. Install **Sto** pre meshed uPVC drip edges and corner angles on concrete masonry joinery lintels and edges.

3.22 FINISHING RENDER

Apply selected **Stolit K or MP** coloured finishing render applied with a stainless steel trowel gauging to the thickness of the aggregate size and finished with a plastic float to the requisite pattern. Apply **Stolit MP** or **MP Natural** in two coats and finish with a float and judicial use of a damp sponge.

3.23   PAINT OR SEALER COAT

Apply one coat of **StoColor Maxicryl** matt facade paint tinted to the selected colour, on **Stolit K** renders, or **Protectosil SC** easy clean sealer on MP finishes.

3.24   INTERIOR PLASTER SYSTEM

Apply **Knauf MP 75L** hardwall plaster at 8 - 10mm to achieve a level plane surface free of hollows or an off the trowel adobe finish. Fit galvanized/stainless steel corner profiles set in plaster anchor dabs at corners, doors and other junctions as required, and mesh any stress points. Polish plaster to finish required or alternatively an adobe sponge finish can be achieved by structuring the plaster to the selected finish. If a level 4 finish is required apply **Knauf Multifinish** skimming plaster. Seal with natural wax, clear seal, paint or apply selected finishing render.

StoMiral Meshed Plaster System over Render Brick or Garden Walls

3.25   SURFACE PREPARATION AND PRE-TREATMENT OF BRICK VENEER

The render bricks are to be clean and free of all surface contaminates before plastering commences and shall be cured enough to accept the base/mesh coat plaster. Any minor surface damage to be repaired with **LevelLite**. All maximum tolerances to comply with NZS 4210 table 2.2. All mortar joints to be flushed finished.

3.26   BASECOAT PLASTER

To clean dry and cured brick surface, apply one levelling/straightening coat of **Sto LevelLite** base plaster at the required thickness of 8 / 10mm using guides and corners as required. Rule or screed the surface to achieve a level plane surface free of hollows and deviations and while the plaster is still wet, lightly embed **Sto** mesh, ensuring adjacent drops of mesh are overlapped by a minimum of 75mm and the mesh is encapsulated into the plaster.

3.27   BALUSTRADE & PARAPET TOPS

A minimum slope of 10° is required on all horizontal surfaces. To LevelLite basecoat plastered surfaces apply **Sto Flexyl** / meshed waterproofing correctly mixed with Portland cement extending 75mm up and down any adjacent vertical plaster surfaces. Allow to dry and apply a **StoArmat** mesh coat. Sto Flexyl waterproofing must attain a minimum thickness of 1.5mm to meet E2/AS1 and AS/NZS 4858.

3.28   SEALER FOR STO MIRAL PLASTER SYSTEM

To clean dry **LevelLite** surfaces apply one coat of **Sto Stoplex W** primer by brush and roller to seal the basecoat surface.

3.29   MESHED REINFORCEMENT PLASTER

To dry prepared **LevelLite** surfaces apply one even coat of **StoArmat** reinforced plaster at approximate thickness 1.5 / 2mm. While the plaster is still wet, lightly embed **Sto** mesh, ensuring adjacent drops of mesh are overlapped by a minimum of 75mm and the mesh is encapsulated into the plaster. Allow to dry and apply one further coat of **StoArmat** at approximate thickness of 1mm. Once dry remove any slight ridging with a **Sto** rasp.

3.30   FINISHING RENDER

Apply selected **Stolit K** or **MP** coloured finishing render applied with a stainless steel trowel gauging to the thickness of the aggregate size and finished with a plastic float to the requisite pattern. Apply **Stolit MP** or **MP Natural** in two coats and finish with a float and judicial use of a damp sponge. Note **Stolit MP** is only applied over **StoArmat**/mesh coat.

3.31   PAINT OR SEALER COAT

Apply one coat of **StoColor Maxicryl** matt facade paint tinted to the selected colour on **Stolit K** renders, or **Protectosil SC** easy clean sealer on MP finishes.

StoArmat Miral Plaster System over Autoclaved Aerated Concrete

3.32
SURFACE PREPARATION AND PRE-TREATMENT OF AUTOCLAVED AERATED CONCRETE BLOCKS, BRICKS AND PANELS

All surfaces must be rasped where necessary to remove excess bonding, mortar or nibs on the surface and to ensure that all panel joints are flush and true. Any minor surface damage can be fixed using plaster.

3.33   PRIMER COAT

To clean dry AAC surfaces apply one coat of **ProtectosilWS 205** sealer by brush and roller or garden sprayer to seal the surface.

3.34   CONTROL JOINTS

Mark out all control joints that have been installed in the autoclaved aerated concrete substrate so that Sto uPVC control joints can be installed in the mesh coat.

3.35   BASECOAT PLASTER

To clean sealed autoclaved aerated concrete surfaces, apply one levelling/straightening coat of **Poren** base plaster at the required thickness of 4 - 6mm using guides and corner angles as required. Rule or screed the plastered surface to achieve a level plane surface free of hollows and deviations.

3.36 BALUSTRADE AND PARAPET TOPS / BASE DETAIL

A minimum slope of 10° is required on all horizontal surfaces. To base coated surfaces apply **Sto Flexyl** / meshed waterproofing correctly mixed with Portland cement extend 75mm up and down any adjacent vertical plaster surfaces. Allow to dry and apply the **StoArmat** mesh coat. **Sto Flexyl** waterproofing must attain a minimum thickness of 1.5mm to meet NZBC E2/AS1 and AS/NZS 4858. For concrete foundation details **Sto Flexyl** is applied extending 100mm past the finished plaster system.

3.37 MESHED REINFORCEMENT PLASTER

To dry **Poren** surfaces apply one even coat of **StoArmat** reinforcement plaster at approximate thickness 1.5 / 2mm. While the plaster is still wet, lightly embed **Sto** mesh, ensuring adjacent drops of mesh are overlapped by a minimum of 75mm and the mesh is embedded onto the plaster. Allow to dry and apply one further coat of **StoArmat** at approximate thickness of 1mm. Once dry remove any slight ridging with a **Sto** rasp.

3.38 FINISHING RENDER

Apply selected **Stolit K or MP** coloured finishing render applied with a stainless steel trowel gauging to the thickness of the aggregate size and finished with a plastic float to the requisite pattern. Apply **Stolit MP** or **MP Natural** in two coats and finish with a float and judicial use of a damp sponge.

3.39 PAINT OR SEALER COAT

Apply one coat of **StoColor Maxicryl** matt facade paint tinted to the selected colour on **Stolit K** render, or **Protectosil SC** easy clean sealer on MP finishes.

StoArmat Miral Plaster System over ICF (EPS) Blocks

3.40 SURFACE PREPARATION AND PRE-TREATMENT OF ICF (EPS) BLOCKS

Allow minimum 28 days for concrete infill to cure before application of plaster system. All surfaces must be rasped to remove the surface skin and any UV light degraded ICF. Before fixing window and door joinery to concrete formed reveals apply **Sto Flexyl** / **mesh** from the bottom of the reveal turning out onto the ICF block face. Surface defects, voids and gaps in the ICF blocks to be stopped flush using **Sto Adhesive Foam** and rasped back once dry.

3.41 BALUSTRADE AND PARAPET TOPS / HORIZONTAL SURFACES / FOUNDATION

A minimum slope of 10° is required on all horizontal surfaces. To base coated surfaces apply **Sto Flexyl / meshed waterproofing** correctly mixed with Portland cement extend 75mm up and down any adjacent vertical surfaces. Allow to dry and apply **StoArmat** mesh coat. **Sto Flexyl** waterproofing must attain a minimum thickness of 1.5mm to meet NZBC E2/AS1 and AS/NZS 4858. For ground tanking **Sto Flexyl** / **mesh** must extend 100mm past the finished plaster system.

3.42 BASECOAT PLASTER

To clean dry and prepared block surface, apply one straightening coat of **Muiltiscreed** basecoat plaster at the required thickness 4 / 6mm using guides and corner angles as required. Rule or screed the surface to achieve a level plane surface free of hollows and deviations.

3.43 MESHED REINFORCEMENT PLASTER

To dry LevelLite surfaces apply **StoArmat** reinforcement plaster at approximate thickness of 1.5 - 2mm. While plaster is still wet lightly embed **Sto** mesh ensuring adjacent drops of mesh are overlapped by a minimum of 75mm. Float surface to ensure mesh is embedded onto the **StoArmat** coat, allow to dry then apply one further coat of **StoArmat** at approximately 1mm thick. Once dry remove any slight ridging with a **Sto** rasp. Install **Sto** pre meshed uPVC drip edges and corner angles on concrete masonry joinery lintels and edges.

3.44 FINISHING RENDER

Apply selected **Stolit K or MP** coloured finishing render applied with a stainless steel trowel gauging to the thickness of the aggregate size and finished with a plastic float to the requisite pattern. Apply **Stolit MP** or **MP Natural** in two coats and finish with a float and judicial use of a damp sponge.

3.45 PAINT OR SEALER COAT

Apply one coat of **StoColor Maxicryl** matt facade paint tinted to the selected colour on **Stolit K** render, or **Protectosil SC** easy clean sealer on MP finishes.

Completion

3.46 CLEANING

Remove debris, unused materials and elements from the site relating to plaster system application. Replace damaged, cracked or marked elements. Leave the whole of this work to the required standard.

3.47 FINAL INSPECTION

A final inspection by project assessor of the entire finished plaster system to take place immediately after completion of the application work and any defects or subsequent damage made good immediately.

4   SELECTIONS

Substitutions are not permitted to the following, unless stated otherwise.

4.1 STOARMAT MIRAL PLASTER SYSTEM SS202 OVER CONCRETE BLOCK

Location:	~
Substrate:	~
Levelling coat:	**LevelLite** basecoat plaster
Mesh coat:	**StoArmat** meshed reinforcement plaster
Finishing renders:	**Stolit**~
Paint:	~
Sealer:	~
Coats:	One
Colour:	~
Interior plaster:	~

4.2 STOARMAT MESHED MIRAL PLASTER SYSTEM SS505 OVER RENDER BRICK

Location:	~
Substrate:	Brick veneer
Levelling coat:	**LevelLite** basecoat plaster
Mesh coat:	**StoArmat** meshed reinforcement plaster
Finishing render:	**Stolit**~
Paint:	~
Sealer:	~
Coats:	One
Colour:	~

4.3
STOMIRAL NON-MESHED PLASTER SYSTEM SS500 OVER RENDER BRICK OR GARDEN/RETAINING WALLS

Location:	~
Substrate:	Garden/retaining walls
Levelling coat:	**LevelLite** basecoat plaster
Mesh coat:	**StoMiral** meshed reinforcement plaster
Primer coat:	**Sto Stoplex W** sealer (non mesh)
Finishing render:	~
Paint:	~
Sealer:	~
Coats:	One
Colour:	~

4.4 STOARMAT MIRAL PLASTER SYSTEM ON AUTOCLAVED AERATED CONCRETE

Location:	Autoclaved Aerated Concrete ~
Substrate:	~
Primer coat:	**Protectosil WS 205** silane sealer
Levelling coat:	**Poren** 4-6mm basecoat plaster
Mesh coat:	**StoArmat** meshed reinforcement plaster
Finishing render:	**Stolit**~
Paint:	~
Sealer:	~
Coats:	One
Colour:	~

4.5 STOARMAT MIRAL PLASTER SYSTEM SS707 ON ICF BLOCK CONSTRUCTION

Location:	~
Substrate:	Reinforced ICF (poly) Block construction
Levelling coat:	**Multiscreed** 4-6mm basecoat plaster, to straighten blocks
Mesh coat:	**StoArmat** mesh reinforcement plaster
Finishing renders:	**Stolit**~
Paint:	~
Sealer:	~
Coats:	One
Colour:	~