

# 4282SA SIKA ARCHITEXTURES® COATINGS

## 1. GENERAL

This section relates to Sika Architectures® coatings, acrylic resin or acrylic based plaster systems applied by Sika approved applicator.

### Related Works

#### 1.1 RELATED SECTIONS

Refer to JAMES HARDIE MONOLITHIC® CLADDING for fibre cement cladding.

### Documents

#### 1.2 DOCUMENTS REFERRED TO

Documents referred to in this section are:

NZBC F3/AS1 Hazardous substances and processes

Health and Safety in Employment Act 1992

OSH Guidelines for the provision of facilities and general safety in the construction industry

OSH Guidelines for the management of lead-based paint

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.

#### 1.3 MANUFACTURER'S DOCUMENTS

Manufacturer's and supplier's documents relating to work in this section are:

Sika Polyclad® Barricade System

Sika Architectures® PolyClad® Plaster

Sika Architectures® Blockbase

Sika Architectures® PolyClad® Liteplast

Sika Architectures® Primers/Sealers

Sika Architectures® Flexipaste Jointing System

Sika Architectures® Pre-Texture Options

Sika Architectures® Basecoats

Sika Architectures® Texture Options

Sika Architectures® Glaze Finishes

Sika Meshkote

Sika Architectures® Maintenance of Coatings

Sika Construction details: - Cavity Monotek

- Direct Fix Monotek

- PolyClad® Barricade

Sika (NZ) Ltd Specifications, refer <http://www.architextures.co.nz/systemss.aspx>

Copies of relevant literature are available from Sika (NZ) Ltd

Web: [www.architextures.co.nz](http://www.architextures.co.nz)

Email: [info@nz.sika.com](mailto:info@nz.sika.com)

Telephone: 0800 745 269

Facsimile: 0800 745 232

### Requirements

#### 1.4 NO SUBSTITUTIONS

Substitutions are not permitted to Sika Architectures® coatings, or associated components and products.

#### 1.5 QUALIFICATIONS

Sika (NZ) Ltd approved Sika Architectures® applicators to be experienced, competent, qualified and familiar with the materials and techniques specified. Provide evidence of qualifications on request or refer [www.architextures.co.nz/contractors.aspx](http://www.architextures.co.nz/contractors.aspx)

To obtain warranties, applicators must be Sika (NZ) Ltd approved applicators.

- 1.6 **SAMPLES**  
Submit samples on request for each specified coating system on a 450 mm square of the substrate material being coated, or an equivalent panel material, to show texture and colour. Keep samples on site, undamaged, for matching with the work as it proceeds.
- 1.7 **CONTROL SAMPLES**  
Prepare samples of the finished work, including the specified preparation and obtain approval in writing of the appearance before proceeding. Refer to SELECTIONS for requirements.
- 1.8 **HEALTH AND SAFETY**  
Refer to the requirements of the Health and Safety in Employment Act and OSH Guidelines for the provision of facilities and general safety in the construction industry. If the elimination or isolation of potential hazards is not possible then minimise hazards in this work on site by using the proper equipment and techniques. Supply protective clothing and equipment. Inform employees and others on site of the hazards and put in place procedures for dealing with emergencies.

Refer to OSH Guidelines for the management of lead-based paint, for the required procedures and precautions when:

- treating/removing lead-based paint
- burning off paint
- sanding off paint
- using solvent based paint removers.

### **Warranties**

- 1.9 **MANUFACTURER'S WARRANTY**  
Sika Architectures® system warrant under normal conditions of use against failure:
- |            |          |   |
|------------|----------|---|
| Materials: | 10 years | when applied in accordance with application and preparation procedures as specified in the Sika (NZ) Ltd product technical data sheets. |
| Execution: | 10 years |   |
- Provide this warranty on the manufacture's standard form.  
Sika quality assurance forms to be completed by the approved applicator.

### **Performance**

- 1.10 **SIKA INSPECTION**  
Permit representatives of Sika (NZ) Ltd to inspect the work in progress and take samples of their products from site if requested.
- 1.11 **INSPECTION OF THE WORK**  
Inspection of the whole of the work at each of the stages set out in SELECTIONS may be made. Agree a programme that will facilitate such inspection, including notification when each part and stage of the work is ready for inspection.

## **2. PRODUCTS**

- 2.1 **ACRYLIC COATING SYSTEM**  
Acrylic resin or acrylic-modified cement plaster with texture options coating applied by brush, roller, spray or trowel, complete with sealer and glaze if specified.

## **3. EXECUTION**

### **Conditions**

- 3.1 **STORE MATERIALS**  
Store materials on site in conditions that provide adequate protection from contamination and from frost.

- 3.2 **CHECK SUBSTRATE**  
Ensure that substrate surfaces are true to line and face and, with the preparation called for in this section, will allow work of the required standard.
- 3.3 **VENTILATION**  
Ensure that ventilation of the environment where this work is being carried out complies with NZBC F3/AS1: 4.8 Ventilation.
- 3.4 **SUBSTRATE PREPARATION**  
Refer Sika (NZ) Ltd specification documents for substrate preparation. Refer <http://www.architextures.co.nz/systemss.aspx>

### **Finishing - surface preparation**

- 3.5 **NEW WORK**  
Ensure surfaces are free of defects that will show through the coating. Remove dust, grease and other contaminants that affect adhesion. Surface to finish clean and dry with a texture that gives complete adhesion.
- 3.6 **RECOATING WORK**  
Remove loose, powdering and peeling coatings, removing down to the substrate where necessary. Make good defects that will show through the new coating. Remove dust, grease and other contaminants that affect adhesion. Surface to finish clean and dry with a texture giving complete adhesion.
- 3.7 **PROTECTION**  
Supply and fix coverings and masking necessary to protect adjoining surfaces, fixtures, fittings and spaces from coating spray, droppings, roller splatter, or surface damage.
- 3.8 **EDGES OF COATING**  
Before beginning coating application, confirm the location of coating edges, where and how it meets other materials, trim and surfaces.

### **Finishing - coating**

- 3.9 **APPLICATION OF COATING**  
Follow Sika (NZ) Ltd requirements for the coating system in their entirety to provide a homogeneous coating that matches the sample approved in respect of:
- priming
  - number of coats
  - application rates
  - reinforcement
  - curing time between coats
  - colour and texture
  - glaze
- 3.10 **SUBSTRATE EXPANSION JOINTS**  
Before commencing coating, confirm that the coating system can accommodate movement in any expansion joint. Where the movement cannot be accommodated, terminate the coating either side of the expansion joint and seal to Sika (NZ) Ltd requirements.

### **Completion**

- 3.11 **REMOVE**  
Remove covers and maskings carefully and at the correct time, to avoid damage to or lifting of the coating edge. Clean adjoining surfaces, glass and fittings of contamination.
- 3.12 **LEAVE**  
Leave work to the standard required by following procedures.

- 3.13 REMOVE  
Remove debris, unused materials and elements from the site.

#### 4. SELECTIONS

##### Exterior Texture Coating Systems

#### 4.1 CONCRETE - PRECAST, IN SITU, GRC & SANDWICH

##### No Texture Finish

Substrate:	Concrete
1 <sup>st</sup> coat:	Sika Architextures <sup>®</sup> Primer Sealer - ~
2 <sup>nd</sup> coat:	Sika Architextures <sup>®</sup> Basecoat - ~ to minimum 100 microns dry film thickness
3 <sup>rd</sup> coat:	Sika Architextures <sup>®</sup> Glaze - ~

##### Texture Finish

Substrate:	Concrete
1 <sup>st</sup> coat:	Sika Architextures <sup>®</sup> Primer Sealer - ~
2 <sup>nd</sup> coat:	Sika Architextures <sup>®</sup> Basecoat - ~ to minimum 100 microns dry film thickness.
3 <sup>rd</sup> coat:	Sika Architextures <sup>®</sup> Texture - ~
4 <sup>th</sup> coat:	Sika Architextures <sup>®</sup> Glaze - ~

##### Pre-Textured Finish

Substrate:	Litecrete <sup>®</sup>
1 <sup>st</sup> coat:	Sika Architextures <sup>®</sup> Pre-Texture - ~
2 <sup>nd</sup> coat:	Sika Architextures <sup>®</sup> Primer Sealer - ~
3 <sup>rd</sup> coat:	Sika Architextures <sup>®</sup> Basecoat - ~ to minimum 200 microns dry film thickness.
4 <sup>th</sup> coat	Sika Architextures <sup>®</sup> Glaze - ~

#### 4.2 LITECRETE<sup>®</sup> - LIGHTWEIGHT PRECAST CONCRETE

##### No Texture Finish

Substrate:	Litecrete <sup>®</sup>
1 <sup>st</sup> coat:	Sika Architextures <sup>®</sup> Primer Sealer - ~
2 <sup>nd</sup> coat:	Sika Architextures <sup>®</sup> Basecoat - ~ to minimum 200 microns dry film thickness
3 <sup>rd</sup> coat:	Sika Architextures <sup>®</sup> Glaze - ~

##### Texture Finish

Substrate:	Litecrete <sup>®</sup>
1 <sup>st</sup> coat:	Sika Architextures <sup>®</sup> Primer Sealer - ~
2 <sup>nd</sup> coat:	Sika Architextures <sup>®</sup> Basecoat - ~ to minimum 200 microns dry film thickness.
3 <sup>rd</sup> coat:	Sika Architextures <sup>®</sup> Texture - ~
4 <sup>th</sup> coat:	Sika Architextures <sup>®</sup> Glaze - ~

##### Pre-Textured Finish

Substrate:	Litecrete <sup>®</sup>
1 <sup>st</sup> coat:	Sika Architextures <sup>®</sup> Pre-Texture - ~
2 <sup>nd</sup> coat:	Sika Architextures <sup>®</sup> Primer Sealer - ~
3 <sup>rd</sup> coat:	Sika Architextures <sup>®</sup> Basecoat - ~ to minimum 200 microns dry film thickness.
4 <sup>th</sup> coat	Sika Architextures <sup>®</sup> Glaze - ~

#### 4.3 MONOTEK<sup>®</sup> - FIBRE CEMENT

##### Texture Finish

Substrate:	Monotek <sup>®</sup> - fibre cement
Colour:	LRV 40% or greater
1 <sup>st</sup> coat:	Sika Architextures <sup>®</sup> Primer Sealer - ~
2 <sup>nd</sup> coat:	Sika Architextures <sup>®</sup> Flexipaste Jointing System to all flush sheet joints.
3 <sup>rd</sup> coat (optional):	Sika Meshkote reinforced with 150 gsm PolyClad Mesh cap
3 <sup>rd</sup> coat:	Sika Architextures <sup>®</sup> Basecoat - ~

- to minimum 200 microns dry film thickness.  
 4<sup>th</sup> coat: Sika Architectures® Texture - ~  
 5<sup>th</sup> coat (optional): Sika Architectures® Glaze - ~

Pre-Textured Finish

- Substrate: Monotek® - fibre cement  
 Colour: LRV 40% or greater  
 1<sup>st</sup> coat: Sika Architectures® Primer Sealer - ~  
 2<sup>nd</sup> coat: Sika Architectures® Flexipaste Jointing System to all flush sheet joints.  
 3<sup>rd</sup> coat (optional): Sika Meshkote reinforced with 150 gsm PolyClad Mesh cap  
 3<sup>rd</sup> coat: Sika Architectures® Pre-Texture - ~  
 4<sup>th</sup> coat: Sika Architectures® Primer Sealer - ~  
 5<sup>th</sup> coat: Sika Architectures® Basecoat - ~  
 to minimum 200 microns dry film thickness.  
 6<sup>th</sup> coat (optional): Architectures® Glaze - ~

4.4 CONCRETE MASONRY, CONCRETE MASONRY VENEER, BRICK VENEER, BRICK  
No Texture

- Substrate: ~  
 1<sup>st</sup> coat (optional): Render/Plaster option - ~  
 1<sup>st</sup> coat: Sika Architectures® Primer Sealer - ~  
 2<sup>nd</sup> coat: Sika Architectures® Basecoat - ~  
 to minimum 200 microns dry film thickness.  
 3<sup>rd</sup> coat (optional): Sika Architectures® Glaze - ~

Texture Finish

- Substrate: ~  
 1<sup>st</sup> coat (optional): Render/Plaster option - ~  
 1<sup>st</sup> coat: Sika Architectures® Primer Sealer - ~  
 2<sup>nd</sup> coat: Sika Architectures® Basecoat - ~  
 to minimum 200 microns dry film thickness.  
 3<sup>rd</sup> coat: Sika Architectures® Texture - ~  
 4<sup>th</sup> coat (optional): Sika Architectures® Glaze - ~

Pre-Textured Finish

- Substrate: ~  
 1<sup>st</sup> coat (optional): Render/Plaster option - ~  
 1<sup>st</sup> coat: Sika Architectures® Pre-Texture - ~  
 2<sup>nd</sup> coat: Sika Architectures® Primer Sealer - ~  
 3<sup>rd</sup> coat: Sika Architectures® Basecoat - ~  
 to minimum 200 microns dry film thickness.  
 4<sup>th</sup> coat (optional): Sika Architectures® Glaze - ~

4.5 POLYSTYRENE BLOCK, FOAM LIGHTWEIGHT CONCRETE (BLOCK OR PANEL)  
No Texture

- Substrate: ~  
 1<sup>st</sup> coat (optional): Sika LiteClad LitePlast - high build thermal insulating plaster.  
 1<sup>st</sup> coat: Sika Reinforced PolyClad® Plaster - reinforced flush render plaster.  
 2<sup>nd</sup> coat: Sika Architectures® Primer Sealer - ~  
 3<sup>rd</sup> coat: Sika Architectures® Basecoat - ~  
 to minimum 200 microns dry film thickness.  
 4<sup>th</sup> coat (optional): Sika Architectures® Glaze - ~

Texture Finish

- Substrate: ~  
 1<sup>st</sup> coat (optional): Sika LiteClad LitePlast - high build thermal insulating plaster.  
 1<sup>st</sup> coat: Sika Reinforced PolyClad® Plaster - reinforced flush render plaster.  
 2<sup>nd</sup> coat: Sika Architectures® Primer Sealer - ~  
 3<sup>rd</sup> coat: Sika Architectures® Basecoat - ~  
 to minimum 200 microns dry film thickness.  
 4<sup>th</sup> coat: Sika Architectures® Texture - ~  
 5<sup>th</sup> coat (optional): Sika Architectures® Glaze - ~

#### Pre-Textured Finish

- Substrate: ~  
1<sup>st</sup> coat (optional): Sika LiteClad LitePlast - high build thermal insulating plaster.  
1<sup>st</sup> coat: Sika Reinforced PolyClad<sup>®</sup> Plaster - reinforced flush render plaster.  
2<sup>nd</sup> coat: Sika Architectures<sup>®</sup> Pre-Texture - ~  
3<sup>rd</sup> coat: Sika Architectures<sup>®</sup> Primer Sealer - ~  
4<sup>th</sup> coat: Sika Architectures<sup>®</sup> Basecoat - ~  
to minimum 200 microns dry film thickness.  
5<sup>th</sup> coat (optional): Sika Architectures<sup>®</sup> Glaze - ~

#### 4.6

#### EIFS CLADDING

##### No Texture

- Substrate: EIFS backing board - ~  
Colour: LRV 40% or greater.  
1<sup>st</sup> coat: Sika Reinforced PolyClad<sup>®</sup> Plaster - reinforced flush render plaster.  
2<sup>nd</sup> coat: Sika Architectures<sup>®</sup> Primer Sealer - ~  
3<sup>rd</sup> coat: Sika Architectures<sup>®</sup> Basecoat - ~  
to minimum 200 microns dry film thickness.  
4<sup>th</sup> coat (optional): Sika Architectures<sup>®</sup> Glaze - ~

##### Texture Finish

- Substrate: EIFS backing board - ~  
Colour: LRV 40% or greater.  
1<sup>st</sup> coat: Sika Reinforced PolyClad<sup>®</sup> Plaster - reinforced flush render plaster.  
2<sup>nd</sup> coat: Sika Architectures<sup>®</sup> Primer Sealer - ~  
3<sup>rd</sup> coat: Sika Architectures<sup>®</sup> Basecoat - ~  
to minimum 200 microns dry film thickness.  
4<sup>th</sup> coat: Sika Architectures<sup>®</sup> Texture - ~  
5<sup>th</sup> coat (optional): Sika Architectures<sup>®</sup> Glaze - ~

##### Pre-Textured Finish

- Substrate: EIFS backing board - ~  
Colour: LRV 40% or greater.  
1<sup>st</sup> coat: Sika Reinforced PolyClad<sup>®</sup> Plaster - reinforced flush render plaster.  
2<sup>nd</sup> coat: Sika Architectures<sup>®</sup> Pre-Texture - ~  
3<sup>rd</sup> coat: Sika Architectures<sup>®</sup> Primer Sealer - ~  
4<sup>th</sup> coat: Sika Architectures<sup>®</sup> Basecoat - ~  
to minimum 200 microns dry film thickness.  
5<sup>th</sup> coat (optional): Sika Architectures<sup>®</sup> Glaze - ~

#### 4.7

#### HARDIBACKER - LIGHTWEIGHT PLASTER

##### No Texture

- Substrate: HardiBacker - lightweight Plaster  
1<sup>st</sup> coat: Sika LiteClad LitePlast - minimum 18mm thickness fully bonded to the HardiBacker.  
2<sup>nd</sup> coat: Sika Reinforced PolyClad<sup>®</sup> Plaster - reinforced flush render plaster.  
3<sup>rd</sup> coat: Sika Architectures<sup>®</sup> Primer Sealer - ~  
4<sup>th</sup> coat: Sika Architectures<sup>®</sup> Basecoat - ~  
to minimum 200 microns dry film thickness.  
5<sup>th</sup> coat (optional): Sika Architectures<sup>®</sup> Glaze - ~

##### Texture Finish

- Substrate: HardiBacker - lightweight Plaster  
1<sup>st</sup> coat: Sika LiteClad LitePlast - minimum 18mm thickness fully bonded to the HardiBacker.  
2<sup>nd</sup> coat: Sika Reinforced PolyClad<sup>®</sup> Plaster - reinforced flush render plaster.  
3<sup>rd</sup> coat: Sika Architectures<sup>®</sup> Primer Sealer - ~  
4<sup>th</sup> coat: Sika Architectures<sup>®</sup> Basecoat - ~  
to minimum 200 microns dry film thickness.  
5<sup>th</sup> coat: Sika Architectures<sup>®</sup> Texture - ~  
6<sup>th</sup> coat (optional): Sika Architectures<sup>®</sup> Glaze - ~

##### Pre-Textured Finish

Substrate: HardiBacker - lightweight Plaster  
1<sup>st</sup> coat: Sika LiteClad LitePlast - minimum 18mm thickness fully bonded to the HardiBacker.  
2<sup>nd</sup> coat: Sika Reinforced PolyClad<sup>®</sup> Plaster - reinforced flush render plaster.  
3<sup>rd</sup> coat: Sika Architectures<sup>®</sup> Pre-Texture - ~  
4<sup>th</sup> coat: Sika Architectures<sup>®</sup> Primer Sealer - ~  
5<sup>th</sup> coat: Sika Architectures<sup>®</sup> Basecoats - ~  
to minimum 200 microns dry film thickness.  
6<sup>th</sup> coat (optional): Sika Architectures<sup>®</sup> Glaze - ~