

Confirmation of Certification

AGREMENT CERTIFICATE 2011/399

**(Reappraisal April 2026): Sheerflex Coating
System**

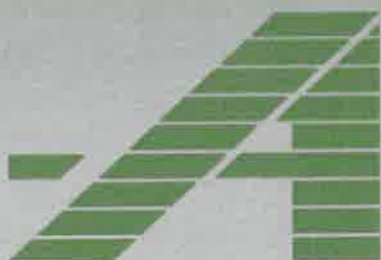
is awarded to:

Dekro Paints (Pty) Ltd

in recognition of:

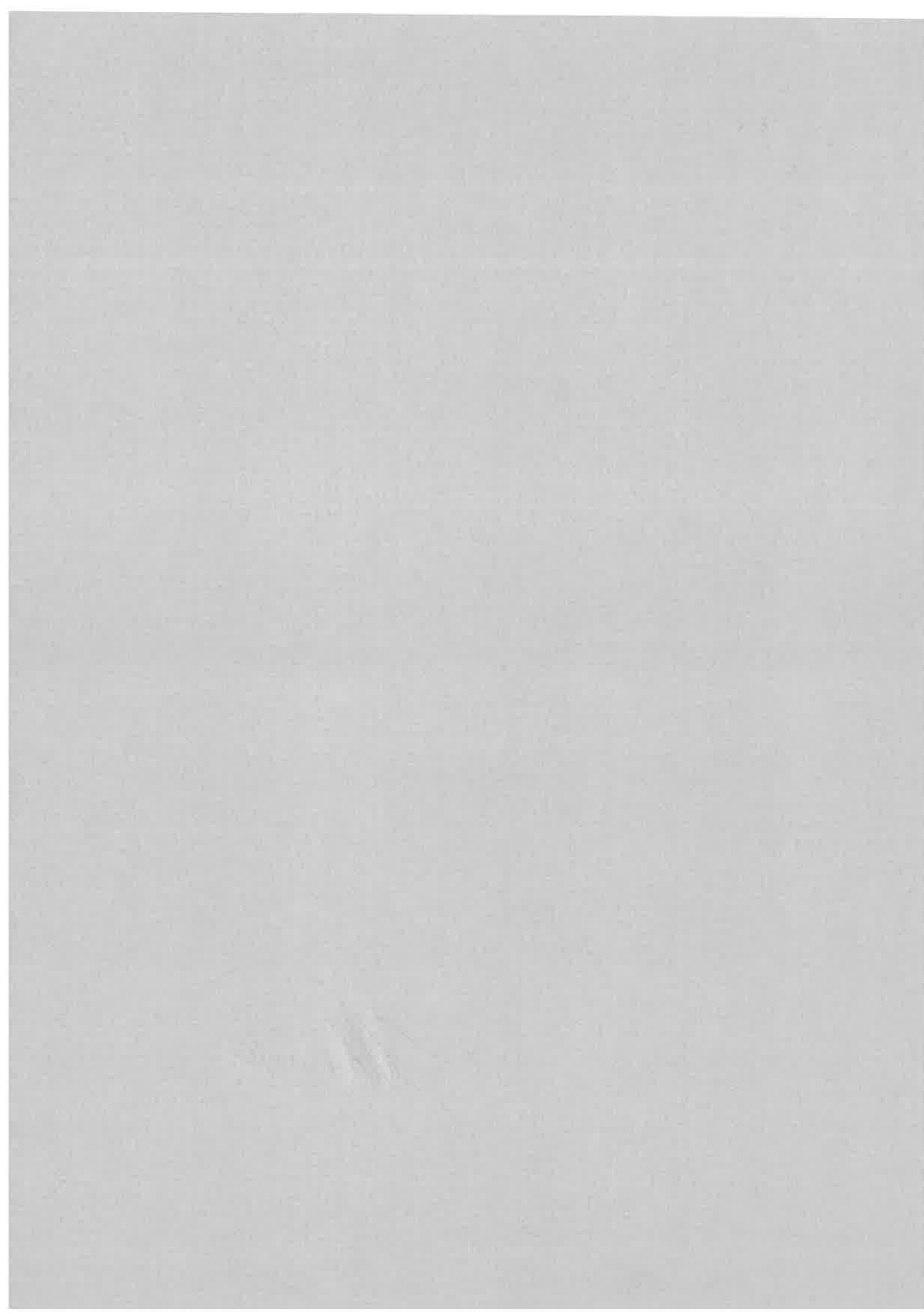
Sheerflex Coating System

this certificate provides detailed information on the performance in use and the uses of the subject of the certificate. When presented as proof of certification, this document must be accompanied by the abovementioned certificate or by a certified copy of the typescript of the certificate approved by the Board.



CHAIRPERSON

Dr. Lindelani Matshidze



CERTIFIED COPY

**AGRÉMENT CERTIFICATE
NO 2011/399
(REAPPRAISAL APRIL
2026)**

**SHEERFLEX COATING
SYSTEM**



innovative construction product assessments

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The first part of the paper discusses the importance of the research and the objectives of the study. It then presents a literature review of the existing research on the topic. The second part of the paper describes the methodology used in the study, including the data collection and analysis techniques. The third part of the paper presents the results of the study and discusses the implications of the findings. The final part of the paper concludes the study and provides recommendations for future research.

The research was conducted using a quantitative approach, with data collected from a survey of 100 participants. The data was analyzed using statistical software to identify patterns and trends. The results of the study show that there is a significant relationship between the variables being studied. This finding has important implications for the field of research and practice.

The study was limited by several factors, including the sample size and the scope of the research. Future research should aim to address these limitations and explore the topic in more depth. The findings of this study provide a foundation for further research and can be used to inform policy and practice.

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The master copy of this document
appears on the website:
<http://www.agrement.co.za>

Validity

Users of any Agrément certificate
should check its status: all
currently valid certificates are
listed on the website. In addition,
check whether the certificate is
[Active or Inactive](#).

The certificate holder is in
possession of a confirmation
certificate attesting to this status.

SANS 10400 (2022): *The
application of the National Building
Regulations*

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Description and use

The Sheerflex Coating System is a two-coat application for use in all regions of South Africa for all types of occupancy classifications (**SANS 10400**: Table 1 of Regulations A (20) (1)), on sound, suitably prepared, external and internal surfaces as follows:

- sand-cement plaster
- sand-cement bagged finishes
- cast *in-situ* concrete/ precast concrete
- the above surfaces previously painted with polyvinyl acetate (PVA) paint
- prepared gypsum and fibre cement boards

The Sheerflex Coating System is a two-coat, ready-to-use, water-based flexible acrylic emulsion wall coating. It is available in a range

of colours and packaged in 5-litre and 20-litre containers. It is thoroughly stirred on site before application. It is applied using a block brush or a lamb's wool roller.

This certificate and Agrément South Africa's assessment apply only to the Sheerflex Coating System manufactured by the certificate holder and applied by trained applicators to suitably prepared surfaces as described and illustrated in this certificate, and where terms and conditions of certification are adhered to.

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PREAMBLE

This certificate is issued by Agrément South Africa in terms of the Agrément South Africa Act No.11 of 2015. This certificate:

- has been granted after a technical appraisal of the performance of the Sheerflex Coating System for the [uses](#) covered by the certificate,
- is independent of any patent rights that may or may not subsist in the subject of the certificate, and
- does not relieve the certificate holder from the obligation to obtain the prior approval of the building authority concerned for the use of the subject.

Agrément South Africa considers that the quality and performance of the Sheerflex Coating System will be satisfactory provided that the requirements stipulated in this certificate are adhered to. However, Agrément South Africa does not on behalf of itself, or the State, or any of its employees or agents, guarantee such quality or performance.

Responsibility for compliance with the requirements of this certificate and the quality of the finished products resides with the certificate holder.

No action for damages, or any other claim whatsoever, lies against Agrément South Africa, its members, the State or any of its employees, should the said components and materials fail to comply with the standard set out in this certificate.

Interested parties or users who are in any doubt about any detail or variation, should contact [Agrément South Africa](#).

The validity of this certificate is reviewed every three years. The certificate shall remain valid as long as Agrément South Africa is satisfied that:

- the certificate holder complies with the general and specific conditions of certification and the technical requirements stipulated in the certificate,
- the performance-in-use of the subject is acceptable, and
- any changes in building legislation, regulations, relevant standards or Agrément performance criteria have not invalidated the technical assessment which formed the basis of certification.

Agrément South Africa reserves the right to withdraw the certificate at any time, should reasonable cause exist.

Notices affecting the validity of this certificate will be published in the *Government Gazette*.

PART 1: CONDITIONS OF CERTIFICATION

The certificate covers only the Sheerflex Coating System manufactured by the certificate holder where the coatings are applied:

- by applicators who are trained by the certificate holder,
- to suitably prepared, internal and external surfaces as follows
 - sand-cement plaster
 - sand-cement bagged finishes
 - cast *in-situ* concrete/ precast concrete
 - the above surfaces previously painted with PVA paint
 - prepared gypsum and fibre cement boards

Any change to the production process or the material formulation or the method of application could result in various aspects of the performance of this product no longer complying with Agrément criteria.

Any change not authorised by Agrément South Africa prior to its implementation would invalidate this certificate and the certificate could then not be used to demonstrate compliance with the National Building Regulations.

Dekro Paints (Pty) Ltd shall be responsible for the accuracy of the information contained within the Material Data Sheets, Technical Data Sheets and Material Performance Specifications, and all other information pertaining to the supply and application of Sheerflex Coating System. Dekro Paints (Pty) Ltd shall submit a COA (Certificate of Analysis) and COC (Certificate of Compliance) in terms of the requirements stipulated in **SANS 17050-1** and **SANS 17050 -2**. Should Dekro Paints (Pty) Ltd change or substitute any ingredient in the formulation of the product in question, then a notification shall be addressed to Agrément South Africa immediately.

SANS 17050-1 (2013), *Conformity Assessment-Supplier's declaration of conformity Part 1: General requirements.*

SANS 17050-2 (2013), *Conformity Assessment-Supplier's declaration of conformity Part 2: Supporting documentation.*

Sheerflex Coating System

Tested and approved fit-for-purpose
for use as a coating system

CERTIFICATE 2011/399

(Reappraisal April 2026)



General conditions

Marking

The containers used to package the product must be suitably marked with Agrément South Africa's identification logo, illustrated here and a note to the effect that only coatings applied by approved applicators can be claimed to be in accordance with this certificate.

Validity

The continued validity of this certificate is subject to a satisfactory review by Agrément South Africa every three years.

Quality monitoring

The certificate holder is required to participate in Agrément South Africa's post-certification quality management scheme, which requires:

- that the certificate holder shall continue to implement and manage the quality management system approved by Agrément South Africa in the assessment of the Sheerflex Coating System
- the certificate holder to notify Agrément South Africa within 30 days of any change of address of a factory and any new factories brought into operation by the certificate holder, for the purpose of manufacturing the subject of the certificate
- the certificate holder at any time of commencement of each contract, to provide Agrément South Africa with construction sites, structures or retailers with which the subject is to be used or sold and
- the co-operation of the certificate holder in facilitating post-certification quality monitoring by Agrément South Africa or its authorised agents.

Reappraisal

- must be requested by the certificate holder prior to implementing changes to the product

- will be required by Agrément South Africa if there are changes to the National Building Regulations or to Agrément criteria.

This certificate may be withdrawn if the certificate holder fails to comply with the abovementioned requirements.

On behalf of the Board of Agrément South Africa



Chairperson

April 2026

PART 2: ASSESSMENT

Scope of assessment

This assessment is based on:

- factory inspection
- known behaviour of the materials used in the coatings
- documentation provided by the applicant
- tests conducted on wall surfaces listed on page 1 and coated as described in this certificate
- tests conducted on the product

Assessment

In the opinion of Agrément South Africa, Sheerflex Coating System is suitable for the uses specified on page 1, in all regions of South Africa.

Agrément South Africa's detailed comments on the various aspects of performance of the coating system are set out in Tables 1 and 2 below. Each aspect of performance was assessed by experts in that field.

Compliance with the National Building Regulations

Republic of South Africa. **National Building Regulations**, Government Notice No. R711, Government Gazette No. 34586, Pretoria, South Africa, 09 September 2011.

The innovative aspects of Sheerflex Coating System relate to the National Building Regulations as set out in Table 1. Any regulation not specifically referred to is considered to be outside the scope of this certificate and must be applied by the local authority in the normal manner.

Table 1: Compliance with the National Building Regulations

Aspects of performance	Opinion of Agrément South Africa	National Building Regulations satisfied
<i>Fitness-for-purpose of materials used</i>	The quality and suitability of the materials are satisfactory.	The materials used in the Sheerflex Coating System are deemed to satisfy the requirements of regulation A13 (1) (a) Part A: Administration.
<i>Behaviour in fire</i>	Satisfactory. The Sheerflex Coating System is regarded as non-combustible when applied to a thickness of less than 1 mm and in accordance with the manufacturer's instructions to the substrates listed.	The Sheerflex Coating System is deemed to satisfy the requirements of regulation T1 (d), Part T: Fire protection, as regards the spread of fire and generation of smoke. Deemed-to-satisfy rule T.4.5.2 SANS 10400 has been met. SANS 10400-T (2024) <i>The application of the National Building Regulations.</i>

Table 2: Assessment

Aspects of performance	Opinion of Agrément South Africa	Explanatory notes
<i>Resistance to water penetration</i>	Satisfactory. The moisture readings indicated no measurable ingress, minor reductions due to surface drying.	An initial assessment of moisture levels using a moisture meter, the painted side of the wall was subjected to simulated rainfall for a duration of 8 hours. Subsequent measurements were then taken to assess whether any water had infiltrated from the coated side
<i>Pull-off adhesive strength</i>	Satisfactory. The pull-off adhesion test demonstrated that the Sheerflex Coating System exhibits adhesive (tensile) strength between its respective layers, exceeding that of the substrate	The pull-off adhesive strength was determined using a digital, calibrated Elcometer 506 Direct Pull-off Hydraulic Tester -Type V, with an accuracy of 1% of full scale and maximum measurement limit of 25 MPa.
<i>Colour stability</i>	Satisfactory. The coating showed minimal gloss loss and relatively small colour shifts after 1000 hours of QUV-A exposure.	The specimens were exposed to 1000 hours of QUV-A resistance testing, which involves 4-hourly alternating cycles of ultraviolet light radiation ($60 \pm 2.5^\circ\text{C}$) and condensation ($50 \pm 2.5^\circ\text{C}$) per ISO 11507 , ASTM G154-00 and ISO 16474-3 . After testing, the samples were inspected for any colour changes, loss of gloss, and other defects per ISO 4628 Series .

		ISO 11507(2007): <i>Paints and varnishes- Exposure of coatings to artificial weathering- Exposure to fluorescent UV and water condensation lamps.</i> ASTM G154 -00 (2000) <i>Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Non-metallic Materials.</i> ISO 16474-3 (2021): <i>Paints and varnishes- Methods of exposure to laboratory light sources-Part 3: Fluorescent UV Lamps.</i> ISO 4628 Series: <i>Paints and Varnishes</i>
Resistance to abrasion	Satisfactory. The coating system exhibited surface durability and cohesive integrity, showing limited material removal after repeated abrasive contact.	Taber abrasion was done per ASTM D4060, using CS10 abrasion wheels and 250-g weights for 1000 cycles. The test was done after conditioning the test specimens for 48 hours at $23 \pm 2^{\circ}\text{C}$ and a relative humidity of $50 \pm 5\%$. ASTM D4060 (2025): <i>Scrub resistance of Interior Latex Flat Wall Paints.</i>
Compatibility testing	Satisfactory. The Sheerflex Coating System indicate that the coating system is generally compatible with common wall coatings, including pure acrylics, acrylic PVA, washable sheens, and enamels, as no significant delamination or lifting was observed.	The cross-cut adhesion testing was carried out on the samples per ISO 2409 guidelines, using ISO 2409 tape. ISO 2409 (2020): <i>Paints and varnishes-Cross-cut test</i>
Thermal stability	Satisfactory. The coating system demonstrated stability throughout thermal cycling without compromising paint quality. The paint remained free from skin and settlement.	The sample was subjected to thermal cycling according to the SANS 1586 guidelines. SANS 1586 (2021): <i>Emulsion paints</i> The coating system achieved an adhesion rating of 0 before and after thermal cycling exposure. An adhesion rating of 0 indicates that no detachment or flaking occurred along the cross-cut edges, signifying a consistent bond between the coating and the substrate. The unchanged results after thermal exposure confirm that temperature variations did not affect the coating–substrate interface, and that no measurable deterioration in adhesion was observed following the test sequence.

Table 2: Assessment (continued)

Water-vapour permeability	Satisfactory. The coating system exhibits low to moderate vapour permeability, consistent with rain-resistant architectural coatings. This behaviour supports claims of enhanced durability and resistance to water exposure under normal service conditions. However, the measured vapour permeability indicates that the coating remains vapour-open and, on this basis alone, should not be classified as a primary waterproofing membrane intended to resist liquid water under hydrostatic pressure.	The coating system's permeability was evaluated using the dry-cup method, as specified in ASTM D1653-13. ASTM D1653 -13 (2021): <i>Standard test methods for water vapor transmission of organic coating films</i>
Durability	Satisfactory. Based on the results obtained, the accelerated weathering, abrasion, thermal cycling, and adhesion testing demonstrated satisfactory durability, colour stability, and adhesion performance, with failure occurring cohesively within the substrate rather than within the coating system.	Sheerflex Coating System is identified as a water-based acrylic or acrylic-architectural coating suitable for both interior and exterior applications. Chemical analysis confirmed compliance with applicable lead content regulations. Permeability testing indicated low to moderate vapour-consistent with rain-resistant architectural coatings intended for mineral substrates that require controlled moisture vapour diffusion.
Quality Management System	The certificate holder's quality management system complies with Agrément's South Africa's requirements that are based on SANS 9001.	When properly implemented, the quality management system will ensure that the quality of the Sheerflex Coating System is consistently maintained. SANS 9001 (2015): <i>'Quality management systems – Requirements'</i>

PART 3: TECHNICAL DESCRIPTION

General description

The Sheerflex Coating System is a two-coat application for use in all regions of South Africa on sound, suitably prepared, external and internal surfaces as follows:

- sand-cement plaster
- sand-cement bagged finishes
- cast –in-situ concrete/ precast concrete
- the above surfaces previously painted with PVA paint
- prepared gypsum and fibre cement boards

The Sheerflex Coating System is a ready-to-use, water-based flexible acrylic emulsion wall coating. It is available in a range of colours and packaged in 5 litre and 20 litre containers. It needs to be thoroughly stirred on site before application. It is applied using a block brush or a lamb's wool roller.

Manufacture

The manufacture of the Sheerflex Coating System is a batch process involving the mixing of approved raw material in mixing and milling tanks under the supervision of the production manager.

The manufacturing process starts with the master formulation in an accredited laboratory. A sample of the master formulation is then kept for batch testing.

The sample batch is then sent to the other laboratories for quality control. Upon approval, the batch is then decanted into 5 and 20 litre containers.

Sheerflex Coating System is manufactured to order should the order be too large.

Application of coating

General

Dekro Paints (Pty) Ltd have an in-house applicators training facility. Prospective applicators receive full training on the use of their products and once approved, the certificate holder issues them with certificates of competence.

The certificate holder can also deploy demonstration teams on each site, prior to commencement of a project. These teams inspect and can provide on-site training on the application of the waterproofing wall coating. They also carry out regular visits during the course of each project, for quality control.

Surface preparation

SANS 241 (2025): Drinking water: *The water should be clean and preferably drinkable. Water that may be made potable by boiling may be used in its natural state.*

All substrates must be checked to ensure that they are clean, sound, not friable and free of dust, dirt, grease, oil, lichen, algae, salt and loose material. They must be wire-brushed and washed down where necessary. Any organic growth must be removed and spores killed by scrubbing as per the technical data sheet provided by the certificate holder. Dead growth must be removed and the surface rinsed well with water complying with **SANS 241**.

Surfaces previously treated with PVA paint are to be scraped to remove any loose material and wire-brushed and washed down to provide a sound base before application of the primer. An anti-fungal wash can be applied if necessary. Surfaces must be sand glossed well before application of the first coat.

Dekro Paints (Pty) Ltd's technical field services need to validate if the surface preparation is satisfactory for direct application. A primer coat may be incorporated depending on the surface condition after preparation on previously painted surfaces.

Application

The coating must not be applied when rain is imminent. The surface to be coated must be completely dry with a moisture content of 15% or lower prior to application of the coating system and any imperfections filled with a suitable filler.

All substrate imperfections are to be filled with a crack filler, allowed to dry, sanded to a smooth finish with P80 sandpaper or similar, and dust to be removed.

The Sheerflex Coating System is thoroughly stirred on site for 3 to 5 minutes with a flat paddle before application. No water is to be added.

Drying time should be at 23°C with relative humidity of around 50%. The same batch number between the first and second coat should be used on substrates to prevent colour variation, and spot touch-ups are not recommended. The minimum time allowed between the coats is 4 hours. The coating can be applied using a sheep skin roller or block brush at a rate of 3 to 4 m² per litre per coat.

A 5 litre container of the Sheerflex Coating System will cover approximately 20 m² per coat, depending on the surface characteristics (texture and porosity) of the substrate.

Dekro Paints (Pty) Ltd offers a 5-year quality guarantee on Sheerflex Coating System before recoating (maintenance).

Storage and shelf life

The Sheerflex Coating System is available in 5 litre and 20 litre containers. The containers must be stored in cool, dry areas below 25°C and under cover. The containers must not be opened until the product is to be applied.

The shelf life of the Sheerflex Coating System, when kept in unopened containers, is 24 months. Each container is marked with the unique batch number of the product, shelf life, manufacturing and use-by date.

