

TECHNICAL REFERENCE

SGA Plus

Water-based elastomeric crack sealant for project-specific assessment on compatible asphalt, concrete, slabs and selected water-entry details.

Important scope

This document is an English technical reference derived from AEI's current Spanish SGA Plus technical information. It is not a safety data sheet, test certificate, UK approval, project specification or warranty. Suitability, method, quantity, curing and acceptance criteria must be confirmed for the actual substrate and project.

Product description

SGA Plus is described as a water-based blend of acrylic and vinyl copolymers formulated as an elastomeric crack sealant. It is intended to be placed within compatible cracks or selected details after the substrate, crack movement and water path have been assessed.

Assessment-led applications

- Compatible cracks in asphalt and cement-based surfaces.
- Selected cracks and joints in car park decks, ramps, slabs and platforms.
- Local water-entry details where drainage, structure and existing membranes have been reviewed.
- Pavement cuts and local maintenance details defined by the project team.

SGA Plus is not presented as a substitute for structural repair, drainage correction, movement-joint design or every waterproofing membrane system.

Reported technical properties

Property	Reported value
Solids content	64 +/- 1%
pH at 25 C	4.0 - 6.0
Brookfield viscosity at 25 C	500 - 1,000 cps
Glass-transition temperature (Tg)	-6 to -3 C
Dispersion type	Anionic
Minimum film-forming temperature	0 C
Film appearance	Transparent, flexible and elastic
Water absorption after 24 h	16%
Elongation	Not determined in the source sheet

The values above are reproduced as reported in the source technical sheet. They are not expanded into universal performance, coverage or service-life claims.

Project review and application planning

Define the detail before use

A controlled assessment should establish the substrate, crack geometry and movement, moisture source, preparation, access, traffic, weather, application method and observation criteria.

Minimum assessment inputs

- Substrate type and condition, including contamination, previous coatings and loose material.
- Crack or joint width, depth, continuity and evidence of movement.
- Observed water ingress, drainage details and the condition of any existing membrane.
- Ambient and surface conditions, rain exposure, access, traffic and reopening constraints.
- Project specification, local requirements and the responsible contractor's method statement.

Application planning

- Mix the product until a uniform liquid is obtained.
- Prepare and clean the compatible detail in accordance with the approved project method.
- Place the material within the defined crack or detail by a controlled manual or mechanical method.
- Use compatible finishing material only where required by the approved detail.
- Protect the application from rain and water during the defined curing period.
- Reopen the area only after project-specific curing and acceptance requirements have been met.

No universal application rate, drying time or coverage is stated in this English reference. These values must be defined for the actual geometry, substrate, climate and specification.

Limitations and documentation

- Do not apply during rain or into watercourses.
- Do not use this sheet as handling, transport, storage or emergency guidance.
- Obtain the current approved safety data sheet before supply, handling or application.
- Confirm local classification, labelling, environmental, transport and workplace requirements.
- Complete a compatibility review or controlled test area when the substrate or existing system is uncertain.

Technical contact

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For assessment, provide the project location, photographs, substrate, crack or joint details, water-ingress observations, existing membrane information, approximate area, traffic and access constraints.