

Technical Data Sheet - TDS



Rocseal AC

Single Component, Acrylic based Joint sealant

PRODUCT DESCRIPTION

RocSeal AC is a single component acrylic sealant which, when mixed cures to form a pliable flexible seal with minimal shrinkage. Primarily intended for internal & external pointing applications. RocSeal AC can be used in both horizontal and vertical applications.

Rocseal AC gives outstanding resistance to deterioration by weathering, oils, fuel, water, ultra violet, ozone etc and remains unaffected by most alkalis and dilute acids.

APPLICATION AND USAGE

Rocseal AC is generally used for sealing joints in buildings and structures that are subject to movement. It is particularly suited to expansion joints, compression joints, structural joints and joints in in-situ concrete i.e. reservoirs etc. Other uses include the sealing of joints in cladding, profiled cement based sheeting and metal sheets.

ADVANTAGES

- ▶ Non biodegradable
- ▶ Excellent chemical resistance
- ▶ High movement accommodation
- ▶ Excellent UV resistance
- ▶ Available in gun and pouring grades
- ▶ Excellent adhesion to most surfaces

DIRECTIONS FOR APPLICATION

Joint Preparation:

Porous- Masonry & Concrete surfaces should be clean and dry. Any loose particles should be removed with a wire brush followed by blowing out with compressed air. If the surfaces are heavily contaminated with mould release or curing agents, it may be necessary to mechanically abrade them.

Non-porous- Metal surfaces should be free from scale, corrosion and any temporary protective coatings or grease. It may be necessary to wire brush the joints. Clean with suitable solvent.

On wood it is important that the sealant is applied to the base surface. Previously applied paint or primer

must adhere permanently or be removed. To avoid doubt it is preferable to remove all paints.

Priming: Apply a single coat of primer by brush in accordance with the instructions on the tin. Allow the primer to dry for a minimum of 1 hour. If sealant is not applied within a further 2 hours, re-priming will be necessary.

Joint Fillers: Where applicable, a joint filler should be used to partially fill the joint in order to provide the correct depth of sealant. It is also necessary to provide a bond breaker between the filler and the sealant. A suitable material is closed cell cross-linked foam polyethylene strip. Joint arrises must be repaired using RocBuild NF.

Masking Tape: Masking tape may be used to improve the neatness of the finished seal by protecting the face edges of the joint. This should be removed immediately after the Rocseal AC has been applied.

Mixing: Combine the base and curing agent and use a slow speed electric mixer fitted with a suitable paddle to stir until a homogenous mix is obtained. Ensure that the mixing paddle is taken round the sides of the tin so that every particle of material is thoroughly mixed. A palette knife should be used to scrape round the inside of the tin to return any unmixed sealant to the mass of material.

Application: Application can be by pouring, gun or trowel according to the grade used. When using a bulk loading gun, place over the centre hole of the filler plate; apply steady downward pressure whilst drawing the rod of the bulk loading gun, this will result in the barrel being filled. Extrude the sealant firmly into the joint by maintaining an even pressure on the trigger of the gun. Ensure complete filling of the joint to avoid slumping. Clean the gun nozzle occasionally to avoid contamination.

Tooling & Finishing: To obtain a smooth finish, tool the sealant with a spatula wet with diluted detergent. This breaks air bubbles and exposes any air pockets present whilst compressing the sealant and promoting adhesion to the joint sides.

TYPICAL PROPERTIES

Density [g/cc]	1.5+0.05
Viscosity	Thixotropic paste
Color	White and Grey (other Color on request)
Shrinkage	Negligible
Application temp. @25°C	+5 to 45°C
UV resistance@300 hrs	No deterioration
Shrinkage %	< 15

PACKING & STORAGE

RocSeal AC is available in 20kg units. Shelf life will be 12 months when stored in shaded warehouses at less than 35°C.

HEALTH & SAFETY

Rocseal AC contains a manganese compound that is harmful if swallowed or if in prolonged contact with skin and eyes. Wash hands thoroughly with soap and water after use.

OTHER CONSTRUCTION, BUILDING & INTUMESCENT JOINT SEALANTS AVAILABLE FROM CIL.

- ▶ **RocSeal ER-** Epoxy resin sealant for low movement joints in heavy duty flooring.
- ▶ **RocSeal PU200-** Heavy duty, cold applied polyurethane pavement sealant
- ▶ **CIL1200 Silicone-** Multi-purpose, high modulus, anti-fungal silicone sealant.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Product representative or visit our website for current technical data and instructions.

Disclaimer

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer? Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and CIL makes no claim that these tests or any other tests, accurately represent all environments.

CHEMCON INTERNATIONAL LLC

P: 12360, Thoban Fujairah, United Arab Emirates T: +971 6 882 0024

E: info@chemconinternational.com W: www.chemconinternational.com