

Technical Data Sheet

Enviroseal CJS

Engineered Elastomeric Joint Filler/Sealant

Description

Enviro Seal CJS is a high performance, 2 component, rapid cure, elastomeric hybrid polyurea joint sealant, which when cured, forms a waterproof seal. It is used to fill and protect joints in industrial concrete floors subjected to heavy traffic. It can also be used for spalled concrete joint repairs.

Features

Excellent adhesion	Moisture Tolerant
Rapid Curing	Long term durability
Excellent bi-axial flexibility	Excellent organic chemical resistance
Very low VOC content	Low dirt pickup
Non Staining	Paintable after cure

Typical Uses

Sealing joints such as construction joints less than 50mm in concrete slabs, concrete panels, fibre cement sheets, block and brickwork, around window and door frames. *Enviro Seal CJS* is suitable for commercial and residential, internal and external applications.

Wet areas	Podiums
Basements, walls and floors	Plant rooms
Planter boxes	Bathrooms
Retaining walls	Balconies

Physical Properties

Enviro Seal CJS is supplied as a ready-to-use ratio pack cartridge system with the following physical properties.

Application Directions

Gel Time	3-4 minutes
Traffic Ready	45-75 minutes
Shore A Hardness	75 – 80 ASTM C-661)

Shore D Hardness	25-29 ASTM C-661
Mix Ratio (A:B)	1:1 (v/v)
Application Range	+5°C - +80°C

Substrate Preparation

The joint surface must be clean, and free from all loose particles, including dust, all laitance, grease coatings, curing compounds and any other foreign matter.

Priming

Excellent adhesion is achieved to suitably prepared substrates without the use of primers. However, for critical applications adhesion may be improved with the use of an approved primer. Contact EnviroSystems Technologies for recommendations on approved primers.

Joint Application

Enviro Seal CJS is to be applied using an appropriate ratio pack cartridge system. Apply *Enviro Seal CJS* firmly into the joint, ensuring complete contact with all sides of the joint.

Substrates

Enviroseal CJS adheres to and is suitable for use over the following substrates:

- Concrete-Cured for min 28 days
- Renders-Cured for min. 7 days
- Timber
- Masonry substrates – Brick, blocks etc
- Fibre cement sheets
- Aluminium

NOTE: Do not apply sealant to any concrete that has received artificial curing compounds, or to aluminium that may have been treated. Do not apply sealant where there is high humidity, or when rain is anticipated within 2 hours of application.

Not suitable for contact with bitumen or bituminous products.

Test oil based paints prior to application for suitability.

Estimating Data (theoretical)

The consumption of *Enviroseal CJS* will depend upon the joint size.

Recommendations for External Applications

10 x 5 mm Joint - 12m/600mL Cartridge

Packaging

Enviro Seal CJS is supplied in a 600ml ratio pack cartridge system.

Cleaning

Enviro Seal CJS should be removed from all tools and equipment, prior to hardening with *Enviro Thinners No. 1*. Observe all OH&S and MSDS information pertaining to the safe usage and handling of solvents. Cured material can only be removed mechanically.

Safety Advice

Enviro Seal CJS contents are flammable. Keep away from naked flame. In the event of fire extinguish with foam or CO. Always provide adequate ventilation and wear appropriate Personal Protection Equipment (PPE) during use. Avoid breathing vapours. Avoid contact with skin. If swallowed, DO NOT induce vomiting, give glass of water and seek immediate medical advice. If contact with skin, wash off splashes of material with clean water and soap. If irritation occurs seek immediate medical advice.

Refer to MSDS.

KEEP OUT OF REACH OF CHILDREN

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Statement of Responsibility

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of general nature, no assumption can be made as to a product's suitability for a particular used of application and no warranty as to accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

Note:

Field service where provided, does not constitute supervisory responsibility. Suggestions made by EnviroSystems Technologies either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not EnviroSystems Technologies are responsible for carrying out procedures appropriate to a specific application.



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