

Talrakseal® AR 21

Single component naturally curing flexible interior building sealant



The Construction Alchemists

Description

Talrakseal® AR 21 is a single part acrylic sealant suitable for filling the gaps in junctions of different building materials such as masonry walls and concrete members in the interior. It is available in a thixotropic form that can be applied using a sealant gun. It is cured naturally in place. It is suitable to fill the gaps in vertical and horizontal orientations.

Features & Benefits

- It has good adhesion to most of the building materials such as concrete, brick, plaster, wood and glazed tiles etc.
- Ready - to use, single component
- User friendly - easy to apply
- Can be over painted, as it is supplied in white colour
- Flexible and cures naturally

Primary Application

Essentially used for sealing / filling the joints/ gaps in buildings typically between walls and concrete soffits. Ideal to seal the groove that can be created to avoid cracking at the interface of concrete soffits and masonry walls due to differential thermal expansion of dissimilar building materials. Suitable for sealing joints between walls and door and window frames and similar applications.

Technical Properties

Flow	Thixotropic paste
Density	1.65 - 1.70 g/cc @ 25°C
Appearance	White
Curing	Natural process of drying
Full Cure	7 days @ 25°C
Shore A Hardness	30
Adhesion to Concrete	Does not debond from the substrate
Movement Accommodation Factor (MAF)	±10%
Compressibility	50%

Design Criteria

Talrakseal® AR 21 an acrylic sealant, is primarily applied as a filler in the "Flat based 'U' Grooves". Gaps up to 25mm wide can be filled using Talrakseal® AR 21 without slumping, although thicker joints will take longer to set and may slightly shrink on setting, forming a concave surface.

Specification Clause

The flexible filler for interior gaps and cracks, shall be Talrakseal® AR 21 an acrylic sealant, which shall exhibit excellent adhesion to most building materials and compatible for application over walls/ceiling cornices, door and window frame surrounds, fitted furniture, skirtings, staircase, etc., easily applied and finished. It shall be fast setting, non-staining and form a flexible seal, which can be painted over or papered just after 8 hours at 30°C. Cured Talrakseal® AR 21 shall have a Shore 'A' hardness of about 30, it shall fully cure by natural process of drying.

Application Instructions

Joint Preparation

The joint surfaces must be thoroughly cleaned, free from loose particles, oil, grease, frost, dust etc. complete.

Priming

Non-porous substrates: Priming is not required.

Porous substrates: On very porous surfaces priming is advised. A suitable primer can be made by diluting and mixing thoroughly one part of Talrakseal® AR 21 with two parts of water. Apply by brush and allow to dry.

Application

Fill the material supplied into a sealant gun and squeeze into the gap. Alternatively, the material can be directly applied into the gap using a spatula followed by tooling.

Tool the sealant off within 15 minutes of application using a scraper or tooling stick dipped in clean water. Where particularly neat finish is required, use masking tape along the joint edges. Remove immediately after tooling.

Over Painting

Talrakseal® AR 21 can be over painted. Overnight drying time is recommended to allow for any drying shrinkage. Use of any conventional emulsion paint is recommended. Oil paints may also be used, provided the sealant has been fully cured. Paint over moving joints is not recommended, as they will restrict movement with possible damage to the paint or sealant.

Cleaning

Use a damp cloth to clean the neighboring surfaces. Tools may be cleaned in water.

Limitations

- It is not recommended for exterior applications.
- It is not suitable for water immersed situations.
- It should not be used in poorly ventilated spaces or in prolonged high humidity conditions.

Estimating

Packaging

Talrakseal® AR 21 acrylic sealant is supplied in 310 ml cartridge.

Consumption

Theoretically 1.65 - 1.70 kg of Talrakseal® AR 21 is required to fill 1litre void or 3.22 cartridges of Talrakseal® AR 21 is required to fill 1litre void.

Actual consumption may slightly vary depending on the surface conditions and wastage factors.

Storage

Talrakseal® AR 21 has a storage life of 12 months when kept in original unopened containers and stored in dry conditions between +5°C and +27°C.

Precautions

Health & Safety Instructions

There are no health hazards associated with Talrakseal® AR 21 in normal use. However with any material, good hygiene practices should be followed, i.e., keep out of eyes, do not consume, keep away from children and pets and wash hands thoroughly after use.



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

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