

Project No. 150457

Client: Council of the Isles of Scilly

Tender Issue 10/11/2017

STRIDE TREGLOWN
ARCHITECTURE

Carn Gwavel School

10 November 2017

This document includes:

Code	Section	Revision	Dated
Z22	Sealants		

Z22 Sealants

To be read with Preliminaries/General conditions.

PRODUCTS

- 310 JOINTS Classification: Refer to schedule of sealants below for type. The type shall mean
- Silicone ex (external)
 - Dow – C60 low modulus sealant
 - Silicone
 - Adshead Ratcliffe - Arbosil 1081 high modulus neutral cure sealant with fungicide
 - Caulk
 - Adshead Ratcliffe Arbo Caulk
 - Intumescent / acoustic
 - Adshead Ratcliffe 1075 Intumescent acoustic sealant

SCHEDULE OF SEALANTS

1. EXTERNAL
 - Movement joints in block and brick work Silicone ex
 - Perimeter of curtain walling Silicone ex
 - Perimeter of doors and windows Silicone ex
 2. PLANTROOMS
 - Perimeter of doors and louvres Silicone ex
 - Penetrations of services through cladding Silicone ex
 3. INTERNAL PERIMETER WALLS
 - Perimeter of all windows and doors Silicone ex
 - Block work / pc plank junction ground floor Intumescent / air seal
 - Dry lining slab and roof decking junction Intumescent / air seal
 - Movement joints in block wall Silicone ex
 - Dry lining around steel beams Intumescent / air seal
 - Junction between cill board and dry lining Caulk
 4. INTERNAL
 - Sole and head track stud partitions both sides Intumescent / acoustic seal
 - Back of all door frame architraves Caulk
 - Vinyl floor to door linings Silicone
 - Movement joints in block walls Silicone
 5. FIXTURES / FITTINGS
 - Base of all wc pans to floors Silicone
 - Perimeter of ceiling mounted light fittings Silicone
 - Perimeter of disabled wc back box to IPS Silicone
 6. MECHANICAL AND ELECTRICAL / BUILDERS WORK
 - Perimeter of surface fixed trunking Silicone
 - Perimeter of wall mounted panels / vents Silicone
 7. BUILDERS WORK
 - Drainage pipes passing through walls and floors Acoustic / intumescent
 - Ducts / pipes passing through walls and floors Acoustic / intumescent
- Primer, backing strip, bond breaker: Types recommended by sealant manufacturer.

EXECUTION

610 SUITABILITY OF JOINTS

- Presealing checks:
 - Joint dimensions: Within limits specified for the sealant.
 - Substrate quality: Surfaces regular, undamaged and stable.
- Joints not fit to receive sealant: Submit proposals for rectification.

620 PREPARING JOINTS

- Surfaces to which sealant must adhere:
 - Remove temporary coatings, tapes, loosely adhering material, dust, oil, grease, surface water and contaminants that may affect bond.
 - Clean using materials and methods recommended by sealant manufacturer.
- Vulnerable surfaces adjacent to joints: Mask to prevent staining or smearing with primer or sealant.
- Backing strip and/ or bond breaker installation: Insert into joint to correct depth, without stretching or twisting, leaving no gaps.
- Protection: Keep joints clean and protect from damage until sealant is applied.

630 APPLYING SEALANTS

- Substrate: Dry (unless recommended otherwise) and unaffected by frost, ice or snow.
- Environmental conditions: Do not dry or raise temperature of joints by heating.
- Sealant application: Fill joints completely and neatly, ensuring firm adhesion to substrates.
- Sealant profiles:
 - Butt and lap joints: Slightly concave.
 - Fillet joints: Flat or slightly convex.
- Protection: Protect finished joints from contamination or damage until sealant has cured.