

HY-SPEC – LIQUIDSEAL

Version No. 1

Revision Date: 04/04/2018

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DESCRIPTION

HY-SPEC – LiquidSeal is a single component, moisture-curing, sealant based on HY-SPEC Hybrid Polymer Technology for the water-proof sealing of many construction applications. It is especially designed for protecting buildings from water ingress and air leakage. Particular applications include flat and other roofing repairs, guttering repairs and the sealing of interface joints to prevent air leakage. Packaged in 5kg buckets it is equally suitable for brush, roller or spray application.

KEY FEATURES

Suited to applications with many joints, penetrations and awkward shapes forming a seamless water-proof membrane that adheres to the substrate.

Good chemical resistance to water, salt water, grease oils, weak acids and alkali.

Ready to use single component liquid water-proofing membrane offering advantages over some two-component systems that require mixing on site before application.

Capable of withstanding high positive hydrostatic pressure resistance of up to 6 Bar.

Can be applied by brush, roller or spray to horizontal and vertical surfaces as a one or two coat system.

Contains high quality polymers and additives providing it with long-term resistance against UV degradation ensuring permanent and reliable waterproofing performance.

Environmentally neutral system, free from tin, isocyanates, phthalates and solvents with a low volatile organic content (VOC) compared to other systems.

Permanent elastic sealing with high adhesive strength to a wide variety of substrates including brick, stone, concrete, tiles, coated metals, GRP and some plastics. Can be used over bitumen-based products

Good movement accommodation. Capable of spanning gaps of up to 2mm

Paintable (testing is recommended).

USES

- Waterproofing of flat roofs
- Sealing of balconies and patios
- Air barrier coating in wall and floor joints to help prevent air leakage in the building envelope and help meet the requirements of Part L.

- Waterproof repair of cracks in roofs and walls (upto 2mm)
- Sealing of internal and external connections, eg guttering.
- Moisture barrier under floor screeds
- Under-tile waterproofing

PERFORMANCE

Adhesion: Excellent unprimed adhesion to substrates including; glass or glazed surfaces, coated metals, brick, PVC-U and timber (test before application).

Base technology: HY-SPEC Hybrid Polymer

Chemical resistance: Excellent to dilute acids and alkalis

Crack bridging: 2mm

Curing system: Neutral cure, typical 1 – 2 mm thickness in 24 hours.

Mould resistance: Good

Service temperature range: -20°C to +90°C (after full cure)

Shore A Hardness: 40 ± 5

Skin over time: 40 mins

Specific gravity: 1.37 g/cm³

UV resistance: Excellent

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APPLICATION

PROPERTIES

Application temperature range: +5°C to +30°C

Curing rate: Cures at a rate of 1 – 2 mm in 24 hours at 23°C @ 50% RH. Lower temperatures and drier conditions will result in a slower rate of cure.

Shelf life: 12 months in original unopened packaging in cool, dry condition with temperatures of +5°C to +25°C.

Skinning time: Skin forms after approximately 40 minutes.

INSTRUCTIONS

Surface preparation: All surfaces must be clean, dry and free from frost, grease and loose materials. Either pour directly onto the surface (a cofferdam may be required to prevent excessive spreading) aided where necessary by a scraper or by brush or roller. In situations where an especially neat brush applied finish is required, use masking tape to cover the face edges of the joint and remove immediately upon completion of brush application.

If a second coat is required, this should be applied within 2 hours.

EQUIPMENT

Can be applied by pouring, brush or roller. Brushes and rollers may be difficult to clean afterwards so should be disposed of after use.

PACKAGING

5kg tub.

Colour range: Grey

ESTIMATING QUANTITIES

1 Litre (1.37kg) of LiquidSeal will cover 1m² when applied at a depth of 1mm.

HEALTH AND SAFETY

Non-flammable.

There are no known health hazards associated with the use of this product when used as recommended.

Wash hands immediately after use.

See Product Safety Data Sheet for further information.

LIMITATIONS

Do not use for joints wider than 2mm

Apply a second coat no later than 2 hours after the first coat if required.

GENERAL

HY-SPEC - LiquidSeal is part of a full range of speciality sealants designed for the professional user. For further information please contact our Customer Care Team or visit our Website.

The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. Properties quoted are typical and do not therefore constitute a specification. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E &OE.