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| CI/SfB | | Yt4 |
| CAW P22 | | |
| Uniclass L675:P7102 | | |

Description

LD925 is a sprayable, water-based elastic liquid membrane which forms an air seal after drying, with a moisture-variable diffusion resistance.

Colour

Light blue, grey after curing

Packaging

Supplied in a 10 kg bucket

Technical Information

| Properties | Test Method | Results |
|-------------------------------|--|---|
| Consistency | | Paste |
| Specific Gravity | DIN 52451-A | ~1.08 |
| Film Formation Time | 23°C and 50% RH | ~60 minutes |
| Drying Time | 23°C and 50% RH | 24 – 48 hours |
| Curing Mechanism | | Cures by evaporation of water |
| Curing Time | 23°C and 50% RH | 1 mm ~1 day 2 mm ~ 2 – 3 days 3 mm ~7 day |
| Elongation at Break | 23°C and 50% RH | >400% |
| Fire Class | EN 13501-1 (2007) | Class E |
| Processing Temperature | | +5°C to +30°C |
| Temperature Resistance (long) | | -20°C to +80°C |
| Air Permeability Coefficient | | ~0.0007 dm³/s @ 1 Pa |
| Air Permeability | EN 1026 | 600 Pa |
| Watertightness | EN 1027 | 600 Pa |
| Air Permeability | EN 12114 1000 Pa -1000 Pa | < 0.1 m³/h.m < 0.1 m³/h.m |
| Flow Coefficient C | EN 12114 | NTB dm³/s @ 1 Pa |
| Sd-Value | EN ISO 12572 (Moisture variable) | 0.2 – 150 m |
| Water Vapour Resistance | EN ISO 12572 | >45,000 µ |
| Rain Resistance @ 23°C | Indicative | >8 hours |
| Rain Resistance @ 5°C | Indicative | >24 hours |
| Volume Change | Indicative | 46% |
| UV Stability | | 6 months |
| Storage | Store in shaded dry conditions between +5 to +25°C | |
| Shelf life | 12 months when stored in original recommended in original unopened packaging | |

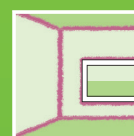
Certifications

Golden standard Eurofins – very low VOC emissions
Air tightness of < 0.1m³/h.m by SKG-IKOB to EN12114



LD925

Flexible i-Seal Coating



Usage / Purpose

Specifically designed for building applications where a high level of air tightness is required (eg Passive House). Apply for air and vapour sealing of floor-to-wall, wall-to-ceiling and various other joint connections. Forms a seamless membrane with very good adhesion to many porous surfaces and most typical building materials such as steel, concrete, stone, wood and aluminum. Can be painted, plastered or bonded to after drying. Due to the moisture-variable diffusion resistance, the seal can be applied to both the inside and outside of the construction.

Key Benefits

- Water-based so tools are easy to clean
- Airtightness tested by SKG-IKOB to 1750 Pa with a dry layer thickness of 1 mm
- Permanently elastic after curing
- Very sustainable
- EC1 Plus very low VOC emissions
- Good adhesion to slightly damp surfaces
- Non-staining with most substrates

Adhesion Table

| Substrate | Recommendation |
|------------------|----------------|
| Aluminium | Good |
| PVC | Good |
| Beech | Good |
| Limestone | Good |
| Aerated concrete | Good |
| Gypsum | Good |
| Plaster | Good |
| Hardwood | Good |
| V2A steel | Poor |
| EPDM | Poor |
| PTFE | Poor |
| Polyethylene | Poor |
| Glass | Poor |
| Bitumen | Poor |

Necessary Tools

- Stirring tool, spray equipment, brush for cleaning.

Protective Equipment

Use in well ventilated conditions and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

Preparation

The substrate must be dry, degreased and free from dust and loose particles which could negatively affect satisfactory adhesion.

Application

- Before usage, store LD925 at room temperature.
- Shake or stir well before use.
- Prepare substrates as above. Make sure that particularly rough bonding surfaces are filled.
- Do not apply LD925 at temperatures below 5 °C.
- Joints or openings larger than 2 mm should be filled prior to application or a second layer of LD925 applied after drying of the first.
- Apply the sprayable seal coating undiluted and evenly to the desired layer thickness using airless spray equipment. For further information, contact Tremco CPG UK Limited Technical Service.
- Wait at least 24 hours before applying coating after cutting FM330.

- Thicker coatings should preferably be applied in several spray layers with a maximum wet layer thickness of 4 mm.
- Cleaning is possible with water before curing has taken place.
- Application temperature +5°C to +30°C

Coverage

| Coating width (mm) | Approximate linear metres per 10 kg bucket* |
|--------------------|---|
| 100 | 25 |
| 150 | 16.7 |
| 200 | 12.5 |

*depending on the flatness and type of substrate. For a layer of 1 mm per m² a consumption of 2 kg wet material should be applied.

Cleaning

Surfaces or tools coated with non-cured material are easily cleanable with water. Cured material can only be removed mechanically.

Please Note

- Do not use where continuous standing water or hydrostatic pressure is likely to be present.
- Do not apply during rainfall or if rain within 24 hours of application is expected.
- Non-staining with most substrates, however where this may be of concern, consult Tremco CPG UK for further information.
- The coating does not adhere well to bitumen, glass, V2A (stainless) steel, EPDM, PTFE and PE films.
- Store the buckets frost-free.
- Temperature of the substrate and surroundings have a large influence on drying time and elasticity.
- Ensure sufficient layer thickness for specific details, external/sharp corners and other imperfections.
- Deal with waste disposal according to government regulations.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in

accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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