

Flexible Waterproof Sealing Tape

FORMERLY FLEXCRETE CEMPROTEC 2000-S

PRODUCT DESCRIPTION

An advanced, permanently elastomeric, highly tear-resistant, breathable, waterproof sealing tape.

INTENDED USES

Specifically designed to be embedded in the Intercrete range of cementitious coatings to provide a highly flexible impermeable seal over 'live' cracks and expansion or construction joints in waterproofing applications.

Intercrete 4872 is a permanently elastomeric composite tape exhibiting over 600% elongation which enables rapid application of the Intercrete range.

Provides excellent weathering resistance and is highly tolerant of a wide range of chemicals and is impermeable to water under 10 bar hydrostatic pressure (100m head of water).

PRACTICAL INFORMATION FOR INTERCRETE 4872

Colour	White
Elongation	Typically 600% (ASTM D-638)
Joint Movement	Typically 100% of joint width
Impermeability	Resists 10 bar water pressure
Temperature Range	-20°C. to +90°C. (-4°F to +194°F)
Typical Thickness	400 microns (16mils).
Shelf Life	24 months minimum at 25°C (77°F), Store in dry conditions in original packaging.
Pack Size	12cm wide: 10m or 50m roll 20cm wide: 50m roll

COMPLIANCE AND CERTIFICATION:

When used as part of an approved scheme, this material has the following certification:

- WRAS approved for use in contact with potable water.



Protective Coatings

Flexible Waterproof Sealing Tape

SURFACE PREPARATION

Concrete Substrates

The areas to be treated must be free from all unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth. Smooth surfaces should be roughened, all loose material and surface laitance removed, and steel cleaned to bright metal preferably using wet grit or water blasting techniques or equivalent approved methods. The strength of the concrete sub-base should be a minimum of 20MPa. Ensure all surfaces are fully saturated but free from standing water.

APPLICATION

Compatible Coatings

Intercrete 4872 can be used in conjunction with the following range of Intercrete cementitious coatings:

- Intercrete 4840
- Intercrete 4841
- Intercrete 4842
- Intercrete 4851/4852

Concrete Substrates

Do not use when the temperature is below 5°C (41°C) and falling. Avoid application in rain, direct sunlight or strong wind. Do not add more water than is recommended. For high temperature working refer to the application guidelines. Do not use Intercrete 4840 on waterproof concrete without referring to the Protective Coatings Technical Department. Not suitable for use on trafficked areas

Priming

Seal floors and deck areas using Intercrete 4850. See relevant Data Sheet.

Placing

Apply 25mm wide masking tape centrally over the crack or joint before applying, by brush, a 1mm thick coat of Intercrete 4840 or Intercrete 4841 extending a minimum of 20mm beyond the edges of the reinforcing tape. Uniformly embed Intercrete 4872 using a brush, trowel or similar, ensuring there are no wrinkles. Leave until stable and apply a final 1mm coat of Intercrete cementitious coating encapsulating the Intercrete 4872 as shown in the detail drawings. In applications where a high degree of movement is expected apply Intercrete 4842 as the top coat.

Over expansion joints, leave additional slack in the tape to allow for the designed degree of joint movement. An optional second tape can be installed where additional protection is required.

Tape Joints and Overlaps

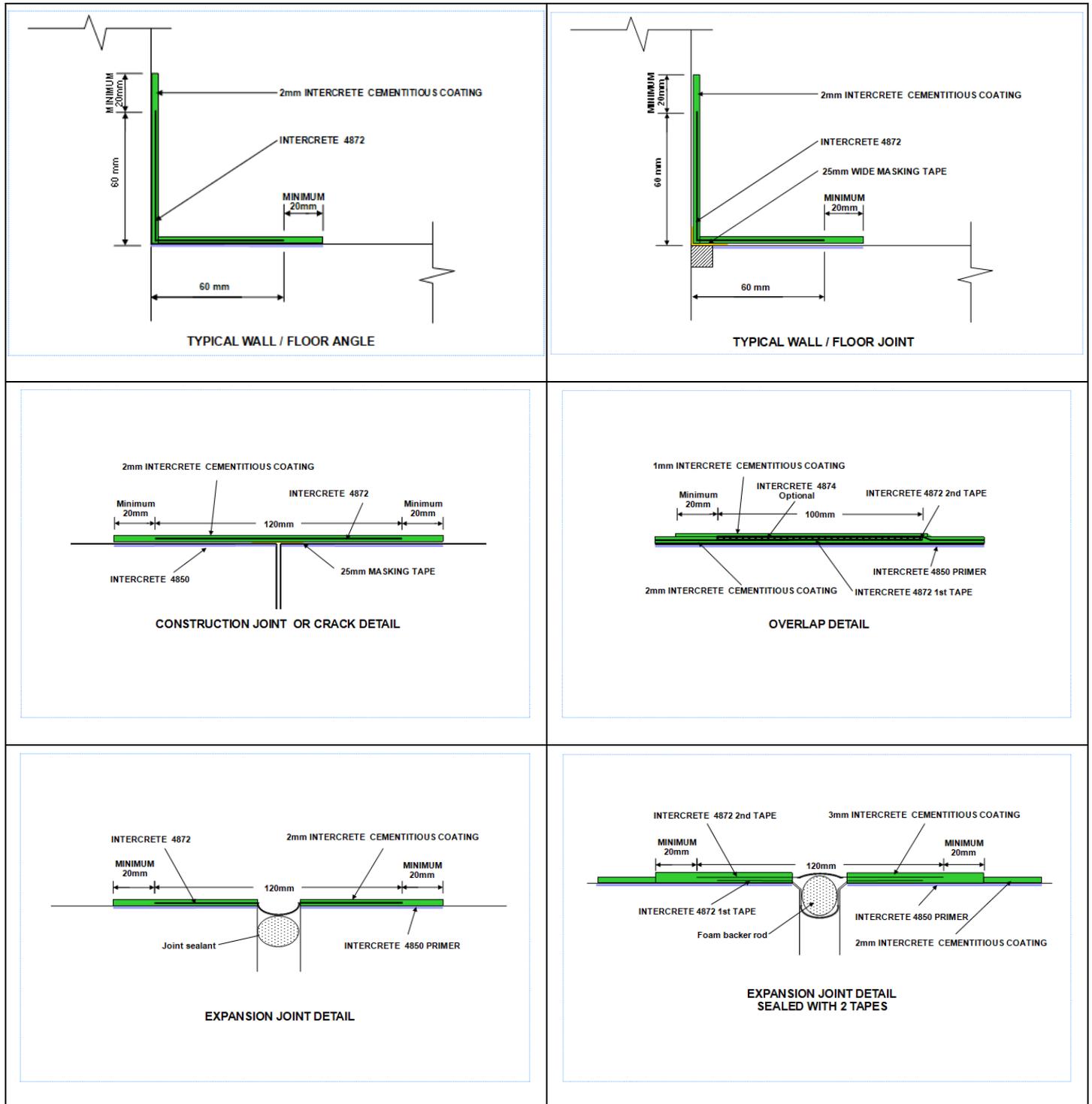
Create joints or overlaps, e.g. at tape intersections, using a 100mm length of Intercrete 4874 self-adhesive butyl strip, cut to width. Use a hard roller to achieve full bond. Alternatively, join a second length of tape to the top of an adhered tape by applying 1mm of Intercrete cementitious coating with a 100mm overlap. Intercrete 4842 should not be used for this procedure.

APPLICATION TIPS

1. Regularly check Intercrete cementitious coating thickness during application using the wet film thickness gauge available from AkzoNobel.
2. Use sufficient pressure to draw the Intercrete cementitious coating up through the perforations at the edge of the tape but do not squeeze the embedment coat out from the sides.
3. When treating corners, cut Intercrete 4872 to the desired length plus an additional 100mm. Fold to create a centre crease. Make a 100mm cut along the crease to create an even corner overlap and embed as normal. Leave to stabilise before applying tape from the opposite direction in the same manner.
4. In vertical and overhead applications Intercrete 4872 may require some additional support whilst the cementitious coating stabilises.
5. When treating expansion joints install a proprietary joint sealant, filler board or foam backer rod leaving sufficient room to form the bellow in the tape.
6. In trafficked areas protect exposed expansion joint by fixing a metal plate to one side of the joint.
7. In cold, humid conditions, condensation may form on surfaces treated with Intercrete cementitious coatings, resulting in darkening of the finish and retardation of set.
8. Cold Weather Working (See separate Guide): $\geq 3^{\circ}\text{C}$ on a rising thermometer, $\geq 5^{\circ}\text{C}$ on a falling thermometer. Do not use any Part A which has been frozen.
9. Hot Weather Working (See separate Guide): Store material in cool conditions to maximise working life. Shade applied material from strong sunlight. Spray-apply a second coat of Intercrete 4870. If possible, avoid extreme temperatures by working at night.

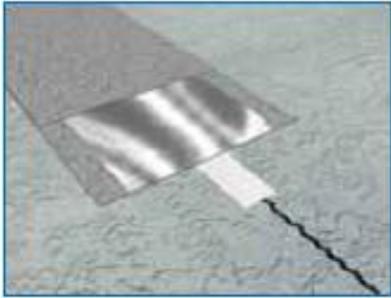
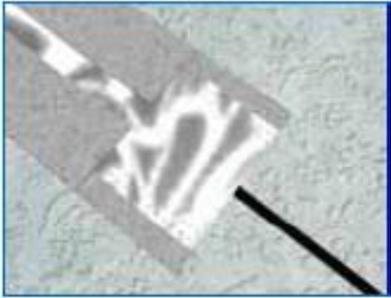
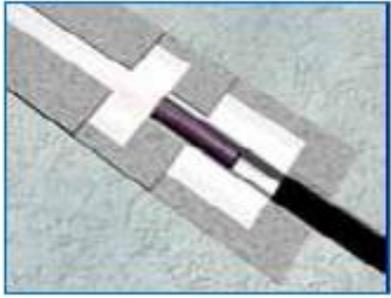
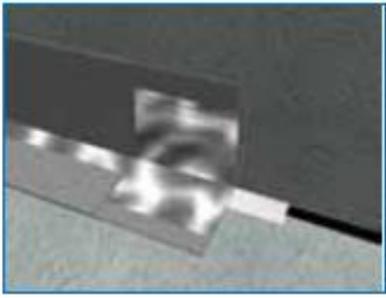
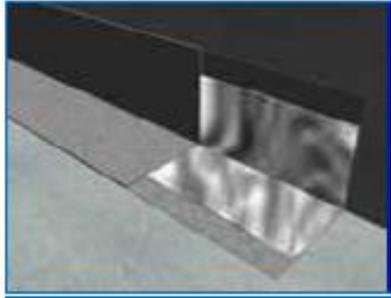
Protective Coatings

DETAILED DRAWINGS



Protective Coatings

SCHEMATIC DETAILS

		
Cracks & Construction Joints	Expansion Joint Detail	Double Tape Expansion Joint Detail
		
Wall / Floor Joint Detail	Wall / Floor Angle Detail	Joining Tapes

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS) which International Protective Coatings has provided to its customers.

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.

IMPORTANT NOTE

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given is subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product.

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