

Solutions for roofing

Waterproofing the roof is one of the most important structural requirements of any building, as a watertight roof performs a vital function in protecting employees, visitors and physical assets.



At International®, our heritage is based on the development of industry-leading waterproofing technology and in recent years, we have invested heavily in the introduction of state-of-the-art, cold fluid applied roofing materials.

Intercrete® 4885 for modern construction

Intercrete 4885 is a revolutionary high build, waterborne liquid roof coating. It is suitable for both roof refurbishment and new build projects, and is also compatible with a wide range of flat or pitched roofs including asphalt, felt and cementitious substrates.

Intercrete 4885's technically advanced, vapour permeable formulation provides outstanding performance in some of the world's most hostile conditions. It is elastomeric in nature and able to tolerate both thermal and structural movement and extreme temperatures without degrading.

Simple, safe, convenient application

Intercrete 4885 is also completely odourless and environmentally friendly with ultra-low VOC levels, meaning that no hazardous solvents are released and no disruption is caused to activities in the underlying building during application. In addition the product poses no fire risks as it also achieves the highest possible fire rating of EXT.F.AA when tested to BS 476: Part 3:2004.

Sustainable roofing technology

Intercrete 4885 is available in a range of colours, including solar reflective white to reduce energy consumption by lowering heat gain from direct sunlight in summer and minimising heat loss in winter.

Furthermore, as environmental sustainability becomes more of a concern globally, **Intercrete 4885's** inherent root resistant properties mean that it can be effectively incorporated as the waterproofing membrane of a green roof system.

Versatile design options

Intercrete 4885 is UK manufactured and has been designed to offer versatile performance. A range of systems can be created to suit particular specification requirements, including:

- Full built-up warm roofs
- Economical roof overlays
- Inverted roofs and podium decks
- New build and refurbishment
- Pitched roof waterproofing
- Green roofing systems



Intercrete 4885 is a waterproofing membrane that is ideal for use in a variety of roofing systems

Intercrete 4885 in action



Intercrete 4885 is a vapour permeable, styrene acrylic coating which is virtually odourless on application and inherently protected against biofilm attack. It is resistant to water ponding and remains flexible throughout its long service life on flat or pitched roofs. Intercrete 4885's high build, thixotropic nature is ideal for embedment of reinforcement and allows for treatment of upstands and other roof details without slumping.

Complex waterproofing of details

Problem: Existing roof degradation due to the aggressive effects of weathering. Complex detailing requirements mean that specifying effective waterproofing can be particularly challenging.



Intercrete 4885 is compatible with flat, pitched and curved roofs

Solution: Intercrete 4885 offers quick and effective application. It is easily applied by roller, brush or airless spray in a cold, fluid form to create a completely seamless, waterproof membrane. Exceptional UV resistance helps ensure that the product will provide outstanding protection for up to 20 years.

Protecting sensitive areas

Problem: Ponded water on roofs can be a breeding ground for microorganisms and other bacteria. This can be particularly problematic where the roof is protecting a sensitive environment such as a hospital or school.



Intercrete 4885 is a single pack product, meaning no complex mixing on site

Solution: Intercrete 4885 incorporates a highly engineered formulation, including state-of-the-art active biocide technology. These active ingredients combat the growth of harmful bacteria and incorporate in-film protection, affording excellent resistance against algae and other biofilm attack.

Performance characteristics

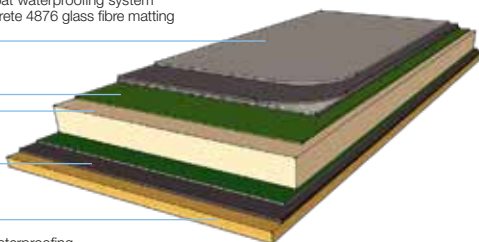
Intercrete 4885 can be used unreinforced for the ultimate in cost-effective waterproofing, or it can be reinforced with glass fibre matting to provide long-term weatherproofing protection.

System	Coats	Min coverage	Reinforcement	Elongation	Tensile strength	Curing times/coat
Solar reflective waterproofing	2	0.75 litres/m ²	Unreinforced	500%	0.68MPa	1 - 12 hours
Weatherproofing 15 years	2	1.75 litres/m ²	Intercrete 4876 225gsm	5%	16.60MPa	4 - 24 hours

Intercrete 4885 warm roof build up

Intercrete 4885 2 coat waterproofing system reinforced with Intercrete 4876 glass fibre matting

Preparation layer
Thermal insulation
Vapour control layer
Substrate/existing waterproofing



Intercrete 4885 inverted roof build up

Paving / ballast

Separating / filter layer
Inverted roof insulation

Intercrete 4885 2 coat waterproofing system reinforced with Intercrete 4876 glass fibre matting (onto preparation layer)

Concrete deck

