



Cold-Room Integrity. Zero Energy Loss.

Sealing solutions for cold storage
and fresh produce facilities

Flexithane 303 | **Novalast 151LTM** | **Rigithane 202**

Cold-Room Integrity & Energy-Loss Repairs

Every degree your cold room loses to a failed seal is a cost you are already paying — in refrigeration run-time, in energy bills, and in produce that does not make it to sale in the condition it left the field. Cold-room integrity is not a maintenance line item. It is what keeps your energy costs predictable and your produce sellable.

Constant temperature cycling, moisture, structural movement and the pressure of keeping produce in perfect condition mean these facilities cannot afford failing insulation or waterproofing. Once a sealing system starts to fail, the consequences show up immediately: temperature variance rises, energy costs climb, gas levels in controlled atmosphere rooms fluctuate, and the produce you have worked hard to grow and store starts to suffer.

- Gaps and cracks in foam insulation allow warm air infiltration, driving up refrigeration costs and compromising temperature control.
- Failed waterproofing on roofs and walls lets moisture into insulation systems, destroying their thermal performance.
- Rigid foam that cannot flex with the structure will crack and delaminate over time, leaving your facility exposed.
- Failed seals around penetrations let oxygen into controlled atmosphere rooms, cutting the shelf life of your produce.
- Repeat patching is costly and never truly solves the underlying problem.

The Solution

Global Sealing Group provides both the products and the application expertise to fix these problems properly. We do not just sell you a product and leave you to work it out. Our experienced applicators assess your facility, prepare every surface correctly and apply the right system for the right situation.

We carry three core products for cold storage and produce facility applications, each addressing a specific part of the problem.



What We Do

Global Sealing Group is an application business as much as a product supplier. When you engage us, you get the full service.

- ✓ **Site Assessment:** We walk your facility and identify every problem area — failing insulation, gaps around penetrations, compromised waterproofing, areas of moisture ingress and anywhere temperature control is being lost.
- ✓ **Surface Preparation:** Every substrate is cleaned, repaired and made ready before application begins. This is where most failures start and we do not skip it.
- ✓ **Application:** Our approved applicators use specialist equipment to apply each system at the correct thickness, density and standard.
- ✓ **Handover:** We do not leave until the job is done to correct specifications.

Our Products

Global Flexithane 303 — Flexible Polyurethane Spray Foam

Flexithane 303 is designed for situations where the structure moves. It bonds directly to your substrate and flexes with it: it does not crack, it does not delaminate. Where rigid foam fails at joints and edges, Flexithane holds.

It is the right product for insulating surfaces where thermal cycling causes movement, including cool room walls, ceilings and penetration details.

Key Properties

- ✓ Flexes and moves with the building structure, will not crack under thermal cycling
- ✓ Excellent adhesion to concrete, metal, masonry and existing substrates
- ✓ Seamless in situ application, no joints, no gaps, no failure points
- ✓ Outstanding strength combined with supreme flexibility
- ✓ CFC free, 100% solids system, no solvents
- ✓ Applied by approved and experienced applicators only

Products at a Glance

Property	Detail
Type	Water blown flexible polyurethane spray foam
Free Rise Density	150 to 175 kg/m³ (lab); higher in field applications
Solvents	CFC free, 100% solids system
Pack Sizes	420 kg kits of Part A and Part B
Application Method	1:1 by volume plural component spray machine

Novalast 151LTM — High Performance Elastomeric Membrane

Novalast 151LTM is a solvent free elastomeric waterproofing membrane that stretches and moves with your building. It delivers a water tight and gas tight seal across metal, masonry, fibro and concrete surfaces and holds that seal through years of thermal movement and weather exposure.

For controlled atmosphere rooms where oxygen infiltration destroys shelf life, and for flat roofing and wall systems where waterproofing failure is not an option, this is the product.

Key Properties

- ✓ Solvent free, safe to use in and around food storage areas
- ✓ Stretches to 350% minimum elongation, built for structural movement
- ✓ Water tight and gas tight seal, critical for controlled atmosphere rooms
- ✓ Bonds to metal, masonry, fibro and concrete
- ✓ Tested to seven years equivalent outdoor exposure, no loss of flexibility
- ✓ Suitable for flat roofing, vertical surfaces and penetration sealing

Products at a Glance

Property	Detail
Type	Solvent free acrylic high performance elastomeric membrane
Elongation	Minimum 350% at 2.0 mm cured film thickness
Application Rate	Approx 1.0 litre/m ² per coat for 500 micron DFT
Coats Required	Two or more coats
Hazard Classification	Non hazardous
Pack Sizes	15 litres, 200 litres, 1,000 litres

Global Rigithane 202 — Rigid Polyurethane Spray Foam

Rigithane 202 is a rigid polyurethane spray foam system specifically formulated for commercial and agricultural buildings. Its standout property for cold storage applications is exceptional cold metal adhesion, the thing that matters most when insulating metal panel cool rooms.

Where standard rigid foam systems struggle to bond to cold metal, Rigithane 202 is built for it. Applied in situ by our approved teams, it delivers a seamless, consistent insulation layer that holds its performance over the long term.

Key Properties

- ✓ Exceptional cold metal adhesion, purpose formulated for metal panel applications
- ✓ Seamless in situ application, no joints, no gaps, no cold bridging
- ✓ Consistent applied density of 32 to 35 kg/m³
- ✓ CFC free, 100% solids system
- ✓ Applied by approved and experienced applicators only

Products at a Glance

Property	Detail
Type	Low density rigid polyurethane spray foam
Applied Density	32 to 35 kg/m³
Key Properties	Excellent cold metal adhesion
Solvents	CFC free, 100% solids system
Pack Size	2300 kg kits supplied in 1000 litre IBC containers
Application Method	1:1 by volume plural component spray machine

A NO-OBLIGATION SITE VISIT

Cold Room Integrity Assessment

Before you commit to a repair, know exactly what you are dealing with. Our assessment gives you a clear, written picture of where your facility stands, at no cost and with no obligation to proceed.

What We Inspect

Joins & Seams

Every joint in your insulation and membrane system, checked for separation, cracking or early signs of failure.

Roof & Wall Leaks

Waterproofing integrity across flat roofing and vertical surfaces, before a small leak becomes a structural problem.

Penetrations & Fittings

Pipe, cable and structural penetrations, the most common entry point for moisture and oxygen ingress.

Insulation Damage

Physical damage, delamination and areas where rigid foam has cracked away from the structure.

Condensation Mapping

Where moisture is forming inside your insulation system, and what that tells us about hidden thermal failure.

Energy-Loss Risk

A practical read on where your refrigeration is working harder than it should be, and why.

What You Get

A written report ranking every issue we find by urgency and cost impact, a straightforward answer on whether patching will hold or a full reseal is needed, and a clear quote if you decide to proceed. If everything checks out, that is useful to know too — there is no pressure either way.



For technical advice
and bulk orders,

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