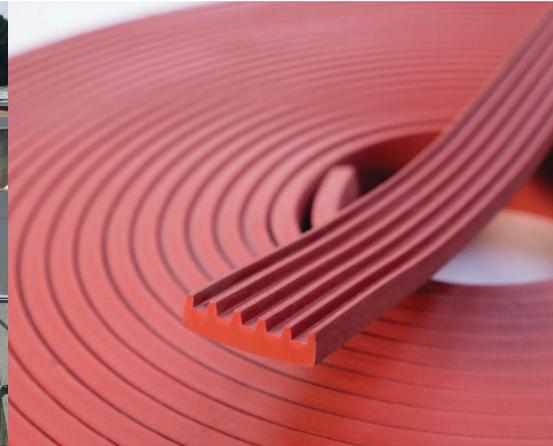


*Creating the Future*

## WATERPROOFING



### DUBAI

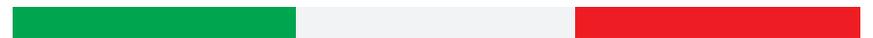
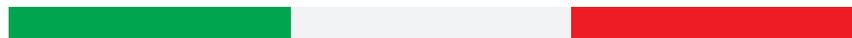
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# WATERPROOFING SYSTEMS

## 1 LIQUID APPLIED WATERPROOFING

CEMENTITIOUS WATERPROOFING

BITUMINOUS WATERPROOFING

POLYURETHANE WATERPROOFING

EPOXY WATERPROOFING

ACRYLIC WATERPROOFING

## 2 SHEET MEMBRANE WATERPROOFING

BITUMINOUS SHEET WP MEMBRANE SYSTEM

PVC MEMBRANES

PVC WATERSTOPS

## 3 SPRAY APPLIED PU FOAM WATERPROOFING

## 1 LIQUID APPLIED WATERPROOFING

### ▶ CEMENTITIOUS WATERPROOFING

#### KRETESIL

Cementitious Waterproofing Osmotic Mortar

A ready-mix, cementitious surface applied waterproofing membrane suitable for application to both vertical and horizontal surfaces on concrete, block work, cement plaster etc. **KRETESIL** is approved by Dubai Civil Defence for interior waterproofing application and exterior waterproofing/vapour barrier coating.

BS EN 13501-1:2018: Pass, Class A2-s1, d0  
ASTM E84-18: Pass, Class A, FSI=0, SDI = 5

#### IDROLASTIC

Elastomeric Cementitious Waterproofing Mortar

A polymer modified breathable waterproofing cementitious coating for external and internal applications on both old and new surfaces. **IDROLASTIC** is used for protection and waterproofing of concrete structures and substrates exposed to chemical aggression, harsh environment, deformation, and vibration. It is also used for waterproofing for balconies, terraces, bathrooms, kitchens, prior to floor tiling. **IDROLASTIC** is safe for use in structures in contact with water intended for human consumption.

#### MANTOBRUSH

Two Component Elastomeric Cementitious Waterproofing Coating

An acrylic modified waterproofing coating for external and internal applications which provides a seamless, hard wearing, flexible waterproofing membrane with excellent adhesion to the surface. **MANTOBRUSH** is used for waterproofing and protective coating for substructure footing, protection of concrete structures from acid rains, waterproofing of water tanks, roofs, reservoirs, marine structures, wet areas, balconies and terraces.



### ▶ BITUMINOUS WATERPROOFING

#### ASFABIT RANGE

#### ASFABIT PRIME

Quality Black Bitumen Primer

A quick drying solvent based low viscosity bitumen primer. It is used as a primer coat on masonry and concrete substrates to improve the adhesion of bitumen based membranes and coatings.

#### ASFABIT RB

Flexible Rubberized Bitumen Emulsion

A cold applied rubberized bitumen emulsion in dark brown color that, when dries, it forms tough black seamless and flexible coating.

#### BITUFLEX

Elastomeric SBS Modified Liquid Applied Waterproofing Membrane

An SBS modified bituminous liquid membrane composed of elastomers, bitumen, resins and additives dissolve in solvent. It is a thixotropic paste easily applicable horizontally and vertically. Once dried it forms an elastic, continuous, waterproofing membrane resistant against thermal changes, UV rays and acid rains.



## **POLYURETHANE WATERPROOFING**

### **ELASTOTHANE WP1**

Elastomeric Single Component Polyurethane Waterproofing Membrane

A single component moisture-cured elastomeric polyurethane membrane coating. It is liquid applied, user friendly, gives long lasting maintenance and free waterproofing protection to concrete and steel structures.



### **ELASTOTHANE WP2**

Two Components Elastomeric Polyurethane Waterproof Coating

A two component, solvent free, liquid applied Polyurethane based waterproofing coating. It cures upon reaction of its two components and the resulting membrane is high performance seamless elastomeric waterproofing.

### **ELASTOTHANE TR**

Pitch Elastomeric Single Component Polyurethane Waterproofing Membrane

A liquid applied, pitch modified, single-component moisture-cured polyurethane coating, designed to form a seamless, elastomeric rubber waterproofing membrane.



### **ELASTOTHANE TR2**

Pitch Elastomeric Two Component Polyurethane Waterproofing Membrane

A liquid applied, coal tar modified, two component moisture-cured Polyurethane coating, designed to form a seamless, elastomeric rubber waterproofing membrane.

## **EPOXY WATERPROOFING**

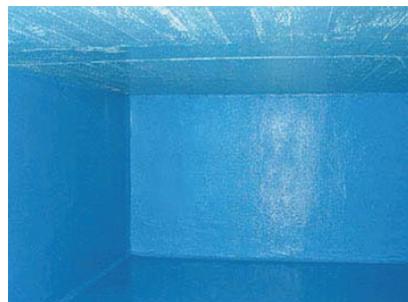
### **EPOCHIM PWT**

Solvent Free Epoxy Coating for Potable Water Tank

A two component, 100% solids, epoxy protective coating for concrete and steel. The cured film is resistant to corrosion, abrasion and chemical attack and is listed safe for potable water and incidental food contact.

#### **ADVANTAGES**

- Approved to use with potable water
- Eco-friendly - Low VOC
- Waterproof and protective coating with good aesthetic appearance
- High chemical and abrasion resistance
- Excellent adhesion to most building materials (concrete, steel) thereby providing maximum corrosion resistance
- Application friendly



## **ACRYLIC WATERPROOFING**

### **MANTOFLEX**

Elastomeric Acrylic Waterproofing Membrane

A product composed of water based synthetic polymers. It is a thixotropic paste, easily applicable on horizontal and vertical surfaces. Once dried, it forms an elastic, continuous, waterproofing membrane that is resistant to thermal changes, UV rays, and diluted acid solutions.

## **2 SHEET MEMBRANE WP SYSTEM**

### **BITUMINOUS SHEET WATERPROOFING SYSTEM**

#### **COLBETOMO APP**

APP Modified Bitumen Waterproofing Membrane

An atactic polypropylene (APP) modified bitumen waterproofing membrane with non-woven spun-bond polyester or fiberglass reinforcement designed for general waterproofing applications.

#### **COLBETOMO SBS**

SBS Modified Bitumen Waterproofing Membrane

A styrene-butadiene-styrene modified bitumen waterproofing membrane reinforced with non woven polyester designed to provide sub-structure concrete surfaces with optimum waterproofing protection.

#### **COLBETOMO SSA**

Self Adhesive Waterproofing Membrane

A self-adhesive, cold applied SBS modified waterproofing membrane, with a fiberglass carrier. It has a release film on the under layer while the upper surface is covered with surface finish material

#### **BETOBARDI**

Protective Bituminous Board

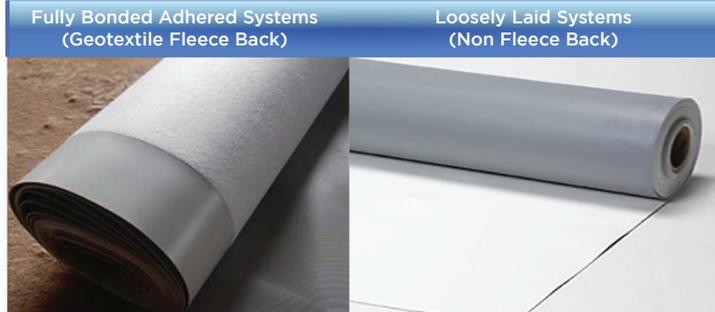
A pre-formed bituminous board modified with a special rigid compound. It is used to protect the waterproofing during backfilling procedures (retaining walls, fixed pavements, cast concrete etc.) and construction traffic.





## PVC WATERPROOFING MEMBRANE SYSTEMS

### TYPES OF INSUWRAP WATERPROOFING MEMBRANES



### ROOF WATERPROOFING



#### INSUWRAP PVC WM/WMR RANGE

- WM - for Covered Roofs
- WMR - UV Range (For Exposed Roofs)
- Membrane thickness:  
1.2mm - 1.5mm - 1.6mm - 2.0mm

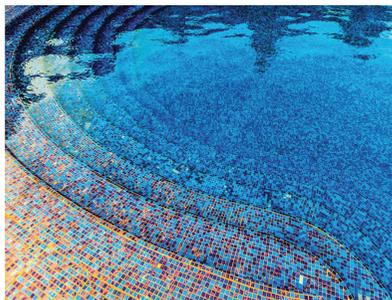
### SUBSTRUCTURE BASEMENT WATERPROOFING



#### INSUWRAP PVC TNL/TNL-FB RANGE

- Waterproofing of Tunnels and Underground Structures
- Membrane thickness:  
1.5mm - 2.0mm - 2.2mm - 2.5mm - 3.0mm

### WATER TANK LINERS WATERPROOFING

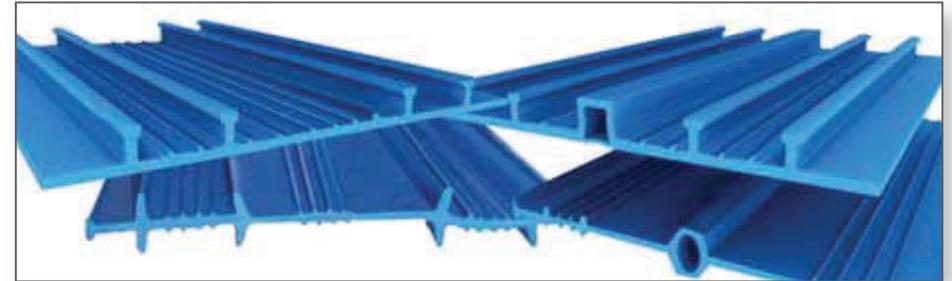


#### INSUWRAP PVC LNT/LNT-FB RANGE

- Non-Toxic Liner for Water Tank Lining System
- Membrane thickness:  
1.5mm - 2.0mm - 2.2mm - 2.5mm - 3.0mm

## PVC WATERSTOP

### ELASTOJOINT PVC



Primarily composed of high grade quality Poly Vinyl Chloride compound that are plasticized and stabilized in order to offer an extra long life performance in concrete structure against water leakages. It is specially designed to serve as an integral sealing system for construction, contract and expansion joints in areas where water retention and water exclusions is required.

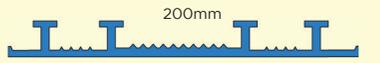
**ELASTOJOINT PVC** is manufactured to meet the most stringent performance specifications and is highly resistant to abrasion and chemicals. (Traditional & Heavy Duty Profiles).

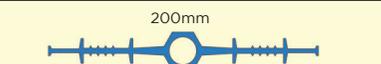
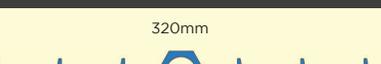
### ADVANTAGES

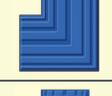
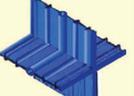
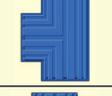
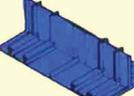
- Has a variety of profile selections to satisfy on-site conditions.
- High endurance for extreme water pressure.
- Easy to install / simple on-site butt welding.
- Reinforced eyeleted edge flanges for positive fixing.
- Four valve sealing system on all profiles.
- Exceptionally, if exposed at adverse environmental condition.
- Heavy duty profiles are available upon request.
- 150mm, 320mm PVC Waterstop are available with minimum order requirements.

# PVC WATERSTOP

ELASTOJOINT PVC

CONSTRUCTION JOINT	
INTERNAL	EXTERNAL
<b>IC 200</b> 200mm 	<b>EC 200</b> 200mm 
<b>IC 250</b> 250mm 	<b>EC 250</b> 250mm 
<b>IC 320</b> 320mm 	<b>EC 320</b> 320mm 

EXPANSION JOINT	
INTERNAL	EXTERNAL
<b>IE 200</b> 200mm 	<b>EE 200</b> 200mm 
<b>IE 250</b> 250mm 	<b>EE 250</b> 250mm 
<b>IE 320</b> 320mm 	<b>EE 320</b> 320mm 

PRE FABRICATED PIECES		
EDGE	FLAT	VERTICAL
 90° Mitre	 Mitre	 90° Cross Type
 270° Mitre	 3-Way	 90° T-Piece
	 4-Way	

# PVC WATERSTOP

ELASTOJOINT PVC

## ELASTOJOINT PVC

Flexible PVC Waterstop

Must be securely fixed to avoid moving during concrete placement. Failure to achieve this will result in misaligned or non-active waterstops.

### ▶ EXTERNALLY PLACED WATERSTOPS

These waterstops are designed for use in basement, foundation and floor slab construction in vertical and horizontal joints in both water excluding structures.

When used in walls, externally placed waterstops will only resist water pressure from the face to which they are fixed. When used below floor slabs, where the waterstop is supported by the blinding concrete or when placed in vertical situations against permanent concrete shuttering, externally placed waterstop will resist water pressure from either face.

### ▶ CENTRALLY PLACED WATERSTOPS

These waterstops are positioned within the thickness of the concrete components thus as a result are supported by concrete on both sides. In this manner, they can be able to endure water pressure coming from either side making them suitable for use in water retaining structures. They function to inhibit loss of water from within the tank and will prevent ingress of water when the tank happens to drain down.



# WATERSTOPS

## ELASTOJOINT SB20

Hydrophilic Swellable Waterstop Joint Profile

Highly polymerized, rubber based material with various additives. It has unique properties that when in contact with water, its volume expands in a controlled fashion up to approximately 400%, guaranteeing a watertight seal between fresh and cured concrete as well as, on cracks caused by hydrometric shrinkage of concrete or structural movements.

### ADVANTAGES

- Easy to install (no rails, bonding agents & welding required)
- No hardening nor curing time pre-requisite.
- Powerfully bonds with old and new concrete.
- Extremely durable and has superb waterproofing results
- Easy to shape and form joints
- Delayed swelling ability inhibits premature expansion in cases of adverse weather condition during installation or during pouring of concrete.
- Toxic and hazard threat-free
- Exceptionally flexible
- Good resistance to acids, alkalis and most aqueous solutions



The grooved profile of the **ELASTOJOINT SB20** section improves the concrete bonding and enhance waterproofing performance.

## ELASTOJOINT RHS PLUS

Flexible Re-Injectable Hose Waterstop System

**ELASTOJOINT RHS PLUS** is a flexible re-injectable hose installed in concrete joints to waterproof and seal any crack or voids in the joint area to prevent leakage. It is specifically designed flexible solid PVC thermoplastic rubber covered by sponge strips.

**ELASTOJOINT RHS PLUS** offers a complete maintenance program for future leakage. If water test performed and voids in the joint are indicated, the voids should be filled with all type of injecting material, micro fine cements, cement slurry, acrylic & acrylates.

These injecting materials are highly compatible with concrete.

### ADVANTAGES

- Fast and can easily be installed.
- Proven and predictable performance.
- Joints can be tested or verified for water tightness.
- No drilling required thus prevents damage to concrete.
- Economical and maintenance free
- Operates under high or low injection pressure
- Does not depreciate even when exposed to injection materials.
- Suitable for multiple injections to seal working joints against pressing and non-pressing water.



## 3

## SPRAY APPLIED PU FOAM WP

### COLMEFOAM LHD

Spray Polyurethane Foam For Roof Waterproofing

A polyurethane spray foam system for the production of rigid foam with closed cells, used for roofs, walls and floor insulation over metal, concrete and plywood. The system is CFC-free and has Zero Ozone Depletion Potential (Zero ODP) value.

**COLMEFOAM LHD** is a composed of Polyol Component (A), a mixture of polyol, catalyst, blowing agent and other additives and Isocyanate-Component (B), a mixture of diphenylmethane- disocyanate, isomers and halogen.

