PRODUCT GUIDE

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Acrylic Coatings
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Anti-Corrosive Pipewraps

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CHOOSING THE RIGHT WATERPROOFING SYSTEM

Selecting the most appropriate waterproofing system is never easy. Bitumat recognizes the fact that the ultimate choice depends on several objective and subjective considerations.

THE OBJECTIVE CHOICE

Objectively one would have to consider prevalent climatic conditions and variations therein which would affect the ability of membranes to withstand temperature extremes of the roof deck as well as the resultant expansion and contraction.

It is also essential to consider the physical strain which will be exerted on the waterproofed surface by external movement. This will vary in the case of a bridge or an underpass deck designed for vehicle traffic as compared to the roof of a residence. Depending on the application, a membrane with the appropriate load carrying capability would need to be chosen.

The specification of a roof deck such as its material, slope and surface finish would also have an impact on the physical properties of the membrane chosen for the task. Similarly there are a host of other objective considerations which need to be evaluated.

THE SUBJECTIVE CHOICE

In addition to objective considerations, these are subjective attributes too. For example, the choice of finish of the membrane is often a matter of aesthetics which is best judged by each individual. However, the most important subjective consideration is reactivity. In order to meet such a wide variety of needs, Bitumat produces an equally wide range of membranes giving its customers the right to choose exactly what suits them best.

However, the one factor that is common throughout the range is reliability. After all, Bitumat believes that its customers trust its products and buy “reliable protection” rather than merely waterproofing membranes.

APP / SBS Modified Bitumen Membranes

EXCELLING IN EVERY ASPECT

Every Bitumat Waterproofing product contributes to the reputation of the company as a whole. Which is why only the best raw materials are selected after much research and deliberation.

The membranes are produced from carefully formulated bituminous compounds using select modifiers or additives, reinforced with a polyester or glass fiber mat, or both, and finally with sand, coloured granules or aluminium foil. The compound formulation imparts specific physical properties to the membranes, such as SOFTENING POINT, COLD FLEXIBILITY, IMPERMEABILITY, etc., while the REINFORCEMENT & FINISH provide the mechanical characteristics of ELONGATION, TENSILE STRENGTH, REFLECTION and APPEARANCE.

GLASFLAME (MBM-02)
APP Modified spun-bonded, glass fiber mat reinforced waterproofing membrane.

BITUMAT GLASFLAME is a universal, all purpose membrane, excellent in a single layer or multi-layer roofing systems, underground waterproofing, multi storey car parks, water pond lining, irrigation canals lining, swimming pools or any structure that requires high performance waterproofing. It is most suited as the first layer in a multi-layer system.

POLYFLAME (MBM-01)
APP Modified spun-bonded, non-woven polyester re-inforced waterproofing membrane.

BITUMAT POLYFLAME is a universal, all purpose membrane, excellent in a single layer or multi-layer roofing systems, underground waterproofing, multistorey car parks, water pond lining, irrigation canals lining, swimming pools or any structure that requires high performance waterproofing.

POLYFLAME GARDEN 1&2 (MBM-18)
APP Root Resistant Waterproofing Membrane.

BITUMAT APP root resistant waterproofing reinforced membranes are produced from a blend of special polypropylene thermoplastic polymers, disiled bitumen and selected additives. This combination gives the proven waterproofing qualities of bitumen combined with plasticity, excellent resistance to heat aging and tear and ease of application by torch welding.

TORCHSEAL (MBM-05)
APP Modified spun-bonded, non-woven Polymer reinforced.

BITUMAT TORCHSEAL membranes are ideal for a wide range of waterproofing applications, including roofs, reservoirs, basements, tunnels and car parks. BITUMAT TORCHSEAL can be utilized in exposed and covered applications.
**Oxidized / Self Adhesive / Polymer / Modified Bitumen / Protection Membranes**

**FIBERLON (MBM-07)**
APP Modified spun-bonded, non-woven Polyester re-inforced.

BITUMAT FIBERLON is a uniquely formulated pre-fabricated waterproofing membrane with a special multi-layered design for superior pliability, tensile strength, workability and resistance to elements.

**SBS Modified Bitumen Membranes**

**PREMIERFLEX 2000 (MBM-08)**
SBS Modified spun-bonded, non-woven Polyester re-inforced waterproofing membrane.

BITUMAT PREMIERFLEX 2000 is a general purpose waterproofing membrane and is excellent in single layer roofing systems or as part of a multi-layer system. When surfaced with granular slate, BITUMAT PREMIERFLEX 2000 is ideal as an exposed top layer. It is also suitable for underground waterproofing. Suitable for moderately cool or hot climates.

**PREMIERFLEX 3000 (MBM-09)**
SBS Modified spun-bonded, non-woven Polyester re-inforced waterproofing membrane.

BITUMAT PREMIERFLEX 3000 is a general purpose waterproofing membrane and is excellent in multi-layer or single layer roofing system. When surfaced with granular slate, it is ideal as an exposed top layer. BITUMAT PREMIERFLEX 3000 is also suitable for underground waterproofing. Suitable for cold or hot climates.

**PREMIERFLEX 4000 (MBM-10)**
SBS Modified spun-bonded, non-woven Polyester re-inforced waterproofing membrane.

BITUMAT PREMIERFLEX 4000 is ideal as an exposed top. BITUMAT PREMIERFLEX 4000 is a general purpose waterproofing membrane and is excellent in multi-layer or single layer roofing system. When surfaced with granular slate, layer. Also ideal for underground waterproofing systems.

**PREMIERFLEX 2000 GL ANTI ROOT (MBM-19)**
SBS Modified Waterproofing Membrane Anti-Root Formula.

BITUMAT PREMIERFLEX 2000 GL is an SBS modified bitumen waterproofing membrane reinforced with rot-proof, dimensionally stable 50360 gsm/m² glass fibre mat. The combination gives proven waterproofing qualities of bitumen combined with strength and excellent resistance to weathering, and ease of application.

**Self-Adhesive Membranes**

**BITUSEAL 1000 & 1200 (MBM-11)**
Self-adhesive polyester or glassfibre reinforced membrane.

BITUMAT BITUSEAL 1000 & 1200 is the ideal membrane for damp-proofing foundations, bridges, viaducts and tunnels. It is recommended for use under composition shingles and roof tiles, as a protective shield against water and ice. Strips of various widths are used extensively in road design and construction.

**Oxidized Membranes**

**POLYBOND (OBM-01)**
Oxidized bitumen, Needle punched Polyester re-inforced waterproofing membrane.

BITUMAT POLYBOND membrane consist of a non-woven polyester reinforcement, impregnated and coated on both sides with oxidized bitumen. Property installed BITUMAT POLYBOND forms an impervious waterproofing blanket which accepts normal structural TORCHBOND (OBM-02)
Oxidized bitumen membrane with glassfibre matt reinforcement

BITUMAT TORCHBOND membrane may be used for a wide range of waterproofing applications including roofs, reservoirs, basements, tunnels and car parks.

**Protection Membranes**

**BITUTECT - I (PTM-01)**
Modified bitumen protection membrane.

BITUMAT BITUTECT-I membranes are ideal as a protection membrane to protect delicate and thin waterproofing systems that may be on roofs, reservoirs, basements, tunnels and car parks. Due to its superior mechanical properties, it resists sharply angled aggregates from damaging the waterproofing system. The polyethylene sheet on both sides also adds to the protection property of BITUMAT BITUTECT-I.

**BITUTECT - II (O) (PTM-02)**
Oxidized bitumen protection membrane.

BITUMAT BITUTECT-II(O) membranes are ideal as a protection membrane to protect delicate and thin waterproofing systems that may be on roofs, reservoirs, basements, tunnels and car parks. Due to its superior mechanical properties, it resists sharply angled aggregates from damaging the waterproofing system. The polyethylene sheet on both sides also adds to the protection property of BITUMAT BITUTECT-II(O).

**BITUTECT - III (PTM-03)**
Oxidized bitumen protection membrane.

BITUMAT BITUTECT-III membranes are ideal as a protection membrane to protect delicate and thin waterproofing systems that may be on roofs, reservoirs, basements, tunnels and car parks. Due to its superior mechanical properties, it resists sharply angled aggregates from damaging the waterproofing system. The polyethylene sheet on both sides also adds to the protection property of BITUMAT BITUTECT-III.

**Polymer Modified Bitumen Membranes**

**ROOFSEAL (PBM-01)**
Polymer modified membrane with non-woven polyester or glass re-inforcement.

BITUMAT ROOFSEAL membrane is ideal for a wide range of waterproofing applications including roofs, basements, tunnels, car parks and reservoirs.
Protection Board

BITUSHIELD (PTM-04)
Bitumen Protection Board.

BITUMAT BITUSHIELD is a universal protection panel used to protect the waterproofing systems from damage during construction activities and backfilling. It can also be used as a protection panel or, as a walk pad over exposed roofs or around mechanical equipment installed on roofs.

Solvent Based Coatings

ROOFGARD (CTG-01)
Fibered roof coating.

BITUMAT ROOFGARD is designed to waterproof and protect built-up roofs, metal roofs, modified bitumen roofs, exterior foundation walls, concrete decks and walls, valley gutters, etc. BITUMAT ROOFGARD can be used to restore and waterproof either existing roofs or new cold applied roofs. BITUMAT ROOFGARD can withstand only normal structural or thermal expansion and contraction.

Geotextile

BITUTEX (GTX-07)
Needle punched Geo-textiles 3M x 100M roll.

BITUMAT BITUTEX are used in road and railway soil stabilization, waterways and seaward erosion control, asphalt pavement overlay crack relief, subsoil drainage systems, waterproofing membrane protection, landscaping, etc.

Geotextile

BITUGARD (CTG-02)
Non-fibered waterproofing coating.

BITUMAT BITUGARD is a general purpose waterproofing coating suitable for application to existing roofs as a re-saturant and for underground concrete foundations or basements. BITUMAT BITUGARD can also be used on metal roofs, spouts and gutters.

BITUXFAST (PMR-01)
Fast drying primer (Self-adhesive membrane).

BITUMAT BITUXFAST is a universal primer for concrete, smooth asphalt roofs, brick and metal surfaces. It is used as the priming coat before applying any of Bitumat's elastomeric membranes and coatings.

BITUPRIME (PMR-02)
Penetrates, resaturates, revitalizes.

BITUMAT BITUPRIME roofing primer is a universal primer for concrete, smooth asphalt roofs, brick and metal surfaces, used as the primer coat before applying any Bitumat coatings, flashing compounds, patching compounds and modified bitumen membranes.

Solvent Based Primers

CONCRETE PRIMER (PMR-03)
Multi-purpose, General primer.

BITUMAT CONCRETE PRIMER is suitable for concrete, smooth asphalt roofs, brick and metal surfaces, used as the prime coat prior to installation of any Bitumat membrane.

Plastic Cement Adhesives

ALUGARD (CTG-05)
Aluminium roof coating.

BITUMAT ALUGARD is an excellent protective coating for BUR, composition & modified bitumen roofs. Effective as waterproofing, preservative coating over aged bitumen roofs. BITUMAT ALUGARD is an effective coating over metal roofs & over roof flashing details.

SUNGARD (CTG-06)
Aluminium roof paint.

BITUMAT SUNGARD is used to preserve, protect and beautifully smooth asphalt roofs, modified bitumen roofs and granule finished roofs. It is not a waterproofing coating. BITUMAT SUNGARD is used to protect metal structure and is an anti-rust and corrosion coating. BITUMAT SUNGARD is used on asphalt roofs, metal roofs, metal walls, masonry walls, etc.

DP COAT (CTG-07)
Damp-proofing coating.

BITUMAT DP COAT is used as a mopping coat in dampproofing or as bonding asphalt in the construction of a damp proofing system using roofing felt. A prime coat with Bitumat Bituprime / Bituxfast over concrete is required before coating with BITUMAT DP COAT. Allow the primer to cure for 2-4 hours.

ROOCOAT (CTG-08)
Oxidized bitumen flood coat.

BITUMAT ROOCOAT Type IV and 115/15 are used in the construction of built-up roofs on inclines not exceeding 25% slope and Type II and 85/25 on inclines not exceeding 12.5% slope.

BITUBOND (BPC-01)
Cold process adhesive bitumen.

BITUMAT BITUBOND is designed for use in cold process built-up roofing systems as the cementing material bonding various plies. It can also be used as lap cement, selvage cement and insulation adhesive. It is also suitable as an adhesive for cement floor tiles. It is not recommended for use with hot mop or any non-coated roofing felt. It should not be used with polystyrene insulation.
Sealants / Emulsions / Elastomeric Acrylic Coatings

BITUFLASH (BPC-02)
Fibred plastic cement.

BITUFLASH is ideal for all roof repairs, roof splits, cracks and holes. It is excellent for repairing flashing, to seal sky lights, line gutters, vent pipes, gravel guards and cracks in concrete. BITUFLASH is also recommended for bonding protection boards to dam proof causeway, providing an excellent flexible bond.

ELASTIFLASH (BPC-03)
Rubberized flashing compound.

ELASTIFLASH is a universal compound ideal for roof flashing, details, patching of cracks and splits in roof, repair or flashing details, roof blisters, roof curbs, vent pipes, skylights, spouts, wall and foundation. It is also suitable to seal cracks in concrete walls and floor as well as tile joints.

Sealants

JOINTSEAL-C (SLT-01)
Cold process modified bitumen compound elastomeric sealant (Cold applied).

JOINTSEAL-C is ideal for sealing and waterproofing joints or cracks in concrete masonry or asphalt surfaces, both horizontal and vertical. BITUFLASH JOINTSEAL-C is not suitable for contact with solvents or jet fuel. BITUFLASH JOINTSEAL-C can also be used for roof flashing, counter flashing and roof tile joints.

JOINTSEAL-H (SLT-02)
Hot poured modified bitumen sealant elastomeric.

BITUFLASH JOINTSEAL-H is ideal for sealing joints and cracks in horizontal concrete and masonry surfaces. It can also be used on bitumen pavementings such as parking areas, garages, highways, streets and runways as a sealant. BITUFLASH JOINTSEAL-H is recommended most often when setting time requirement is minimum. It will set to tack free in few minutes upon cooling.

Emulsions Coatings / Primers

AQUASHIELD BX (EMN-07)
Non-fibred emulsion.

AQUASHIELD BX is a general waterproothing, used on a wide variety of surfaces including concrete, brick, bitumen and mastic asphalt membranes, asbestos cement, tiles, lead copper, zinc, corrugated iron and similar surfaces. Lining water tanks (Not for potable water). Applied on its own or with an open weave glass mesh. Also used to waterproof exposed insulation, when used with a reinforcing fabric, as above.

AQUASHIELD FX (EMN-01)
Fibred emulsion.

AQUASHIELD FX, a general waterproofing, used on a wide variety of surfaces including concrete, brick, bitumen and mastic asphalt membranes, asbestos cement, tiles, lead copper, zinc, corrugated iron and similar surfaces, lining water tanks, etc. Apply on its own or with an open weave glass mesh.

AQUASHIELD RV GRADE (EMN-04)
Rubberized flashing compound.

AQUASHIELD RV Grade, heavy duty coating is manufactured without biocides to provide a tough, non-toxic film ideally suited for waterproofing reservoirs and cold water tanks. This non toxic, odour and taint free, coating provides a rugged waterproof film. Its high water vapour permeability greatly reduces any risk of blistering.

SUPERSEAL (EMN-05)
Low cost multi purpose emulsion.

SUPERSEAL, a general waterproofing and damp proofing for almost all kinds of surfaces including concrete, brick, etc. A vapour barrier coating. Protects fresh concrete from rapid evaporation of water and thus avoids shrinkage cracks.

AQUASHIELD LX (EMN-02)
Rubberized emulsion.

AQUASHIELD LX is used to bond & lay wood block, cork, vinyl, asbestos, asphalt tiles. Not suitable for plasticized flexible rubber and vinyl tiles and sheet. An Insulation board adhesive. For bonding boards and slabs made from insulators such as expanded polyethylene, fiberboard, cork, etc. Preparation for plastering. Used to provide a key for plaster to difficult surfaces [e.g. Gloss paint and tiles].

AQUASHIELD HD (EMN-03)
Heavy duty rubberized emulsion.

AQUASHIELD HD is used to bond and lay wood block, cork, vinyl, asbestos, asphalt tiles. Not suitable for plasticized flexible rubber and vinyl tiles and sheet. An Insulation board adhesive. For bonding boards and slabs made from insulators such as expanded polyethylene, fiberboard, cork, etc. Preparation for plastering. Used to provide a key for plaster to difficult surfaces [e.g. Gloss paint and tiles].

SYNROOF HI-BUILD (ACR-01)
High performance acrylic waterproofing coating.

SYNROOF HI-BUILD is suitable for roofs ranging from asphalt and asbestos cement to terrazzo tiles and concrete. The substrates may be horizontal or inclined. Used as a waterproofing membrane in traditional low roof, uninsulated and inverted roof surfaces.

SYNROOF (ACR-02)
Premium acrylic waterproofing coating.

SYNROOF is suitable for application to most types of roofs, flat or pitched e.g. concrete, metal, asbestos, wood etc. It also forms a heat and solar reflecting membrane.
SYNPLAST (ACR-03)
High quality elastomerico waterproof coating.
BITUMAT SYNPLAST is suitable for waterproofing most types of roofs, flat or pitched e.g. concrete, metal, asbestos, wood etc. BITUMAT SYNPLAST also works as a heat and solar reflecting membrane.

SYNCOAT (ACR-04)
Economical, synthetic liquid waterproof coating.
BITUMAT SYNCOAT is suitable for application to most types of roofs, flat or pitched.

Oxidized Asphalts

OXIDIZED BITUMEN 80/90, 85/25, 100/15 and 115/15
Oxidized bitumen.
For various applications including built-up roofs, roads, damp proofing, etc.

Road Bitumen Cutback

MC 30 & 70 SERIES
Cutback bitumen specification produced.

RC 70 & 250 SERIES
Cutback bitumen specification produced.

CATIONIC EMULSIONS
K140, K160, K170

SUPERSEAL C
Cationic emulsion.

Anti Corrosion Pipewrap

BITUTAPE HD (PWR-01)
Is a range of self-adhesive, cold applied waterproofing tape, rust prevention & anti-corrosion pipewrapping tapes that provide a tough, flexible protection to pipes for both covered & exposed application.
BITUMAT BITUTAPE HD is designed for use on buried and submarine line pipe, field welds, fabrications, bends and fittings, as well as waterproofing, flashing details, duct protection.

BITUTAPE SD (PWR-02)
Is a range of self-adhesive, cold applied waterproofing, rust prevention & anti-corrosion pipewrapping tapes that provide a tough, flexible protection to pipes against corrosion for both covered and exposed application.
BITUMAT BITUTAPE SD is designed for use on buried and submarine line pipe, field welds, fabrications, bends and fittings.

BITUTAPE PRIMER (PWR-03)
Is a premium quality cold applied fast curing primer formulated with a highly pliable, flexible bitumen and select fast drying solvents and compounded with wetting and saturation additives.
BITUMAT BITUTAPE PRIMER is a universal primer for concrete, smooth asphalt roofs, brick and metal surfaces. Used as the prime coat before applying any BITUMAT coatings, self-adhesive tapes and membranes.

Waterstops

PVC EDGE TIE WATERSTOP IS an internally cast PVC waterstop system manufactured in a range of sizes for use in reinforced concrete structures. Internally placed, flexible waterstop system for water retaining structures subject to hydrostatic pressure.

A Comprehensive Range of Reliable Solutions

Responsibility
At Bitumat, each and every employee is responsible for providing customers with quality products and the best value for money. They achieve success by constantly developing innovative products to suit every customer's waterproofing needs. Bitumat also believes that its responsibility extends to maintaining operations in a totally safe and environmentally responsible manner.

Conservation of resources, minimisation of hazardous materials in the working environment and a strong commitment to the community are very important issues at Bitumat.

The Very Best Raw Materials
Bitumens from the giant Saudi Arabian refineries, additives and fillers from Europe and America and specialty agents from the world's leading producers... only the finest raw materials feature in Bitumat's products.

Strict Quality Control
Formulations and manufacturing processes are constantly evaluated and improved by world renowned consultants. Problem solving action teams, formed within as well as across functional groups, maintain a quality control and assurance system that is one of the best in the world.

Value Marketing
Providing value to customers is a prime motivator at Bitumat. Two decades of unmatched experience helps them understand customers' requirements exactly. The value of Bitumat's products stems from quality, price, service, delivery as well as overall business integrity.

Global Presence
Bitumat's products and technologies are available worldwide through distributors in all the continents. Regional offices in Saudi Arabia are ably supported by a wide network of dealers. All the elements together, add up to an incomparable package that enables Bitumat to create products that set the standard in the waterproofing industry.
The history of bituminous liquids is intriguing. In the early days they were used as hot applied products. Subsequently cold applied coatings emerged in the market place initially as flashing compounds. Cold applied coatings then progressed to be used as repair material in conjunction with built-up roofs. Later, these coatings were applied on built-up roofs when their felts or membranes were exposed to the atmosphere. Very soon, bituminous coatings and cements were widely recognised as a simple, inexpensive, speedy and reliable solution to repair damaged roofs and interiors of buildings.

Over time, both producers and users came to appreciate the value of these products. Systems were developed and installed using roof coatings in the cold process application of new roofs from the deck up, and in the cold process application for re-surfacing existing roof surfaces. Despite continual development in other forms of waterproofing technologies, roof coatings have continued to be popular due to certain inherent advantages:

**Seamless finish**
One of the significant advantages of roof coatings is that they deliver a seamless finish without any joints or overlaps. This inherently ensures uniform protection across the entire roof area.

**Easy to apply**
Roof coatings are generally one component products that can be applied directly from the container with only moderate stirring. The tools used to apply these products are readily available, inexpensive and uncomplicated.

**Environment friendly**
Roof coatings are produced with volatile solvents of low photochemical reactivity or with non-volatile solvents like water which do not affect the environment.

**Aesthetically simple**
In many ways roof coatings have a self-forgiving nature. Although the production techniques are sophisticated, the application procedure is much less so. Slight errors in the course of application can be covered up quite easily.

Bitumat's association with roof coatings traces back to the early seventies when it emerged as a specialist applicator of products manufactured by a leading coatings company in the USA. Since then Bitumat has continued to maintain a close association with liquid products, keeping abreast with prevailing techniques and developing new, more advanced technologies.

Having been an early promoter of cold applied systems and concepts, Bitumat established a manufacturing complex to produce the entire range of cold applied liquid waterproofing primers, coatings, sealants and compounds. Then, as a responsible corporation concerned about the environment, Bitumat developed and set up facilities to manufacture water-based, environment-friendly emulsions.

In addition to products for common day to day roofing and waterproofing, Bitumat developed specialised coatings to meet highly specific applications through a judicious mix of customer oriented R&D and state-of-the-art technology. Thus, from special formulations to various grades of bitumen, Bitumat has established itself as the one-stop source for all coating needs.
Over Half A BILLION Square Meters Installed Worldwide... & Still Adding New Production Lines!

Thousands of Satisfied Customers!

BITUMAT WATERPROOFING SYSTEMS
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