CE’s Circular No.193

Sub : Water Proofing of Building & Structures

LEAKAGE & DAMPNESS IN BUILDINGS

Leakage in building, specially roofs has been a cause of concern on the Indian Railway. There is hardly any railway building, which does not show signs of leakage. Apart from inadequate water-proofing, which has been dealt with in detail in these papers, our failure to observe certain precautions at the time of construction of these buildings largely results in leaky roofs.

2. PRECAUTIONS DURING CONSTRUCTION OF BUILDING

Some of the essential precautions to be taken at the time of construction are as follows:-

i) Every building plan, whether for new building OR for addition/alteration to new building, must give details of terracing to be provided, water proofing system for roof with details of joint with parapet wall, sunken floor and down water pipes in scale not smaller than 1:20.

ii) Specifications laid down by the manufacturers of the water proofing products should be followed scrupulously to ensure that no air bubbles are left between the under lying surface and the water proofing layer. Adequate overlaps should be provided for the water proofing layers, including cover upto the parapet wall. A few sketches are enclosed as Annexure -I (5 sheets) indicating the method of laying water proofing layer at the junction between roof and the parapet wall. There are a large number of relevant Indian Standards and Code of practice available. Some of these are listed at Annexure-VI. Their provisions regarding material & execution may be followed.

iii) Drainage slope of the roof is one of the most important factor. For the guidance of the field Staff, each building plan must also incorporate a roof plan, showing the position of drainage Pipes and direction and extent of slope on the roof. Drainage slope should not be flatter than 1 in 80 and should preferably be 1 in 40. There should be no undulations in the roof surface, which may result in accumulation of rain water. At the time of construction, the roof levels should be personally recorded by the Inspector of Works and 100% check exercised by the Assistant Engineer. Extra care is necessary for construction of golas, coping and joints.

iv) At the extension joints in buildings, water proofing has to be strengthened by inserting a PVC Or a copper plate to prevent water from seeping. Some of the arrangements required for the Same are enclosed in the sketch placed as Annexure-II. (5 sheets). These joints should also be plugged by a good sealant. Polysulphide based flexible sealants have good adhesion to concrete surfaces and can be compressed or stretched upto 50% of the width of the joints and are good material for sealing of expansion joints. Depth of the expansion joints above the copper/PVC plate should normally be kept half of the joint width and should not exceed 20 mm.
v) Special precautions should be taken for sealing of area around the water spouts to make them water proof. Some of the arrangements are shown in Annexure III (2 sheets).

vi) Any type of impermeable layer/coating should never be applied on both faces of the wall as the wall must be allowed to “breathe”. A nonpermeable finish or waterproof finish should not be applied on a wet wall, as it takes a long time to loose water used during construction. The interior of a new buildings should preferably be provided with lime based colour wash.

vii) Quality of casting of concrete slab and quality of terracing has to be good and strictly as per specifications. Dense and low permeability of concrete also ensures relief-from dampness and comes by adequate cement content and low water cement ratio in concrete apart from required level of compaction and adequate curing.

viii) Area surrounding plinth of the building should be filled with good earth and rammed with slope away from the building, preferably with plinth protection apron.

ix) Proper drip course should invariably be provided on parapet wall copings, sun-shades, chajjas etc.

x) Sunken floors are a constant source, of leakage and dampness. These floors are provided for accommodating the toilet seats. Sunken floors must invariably be coated with suitable epoxy or polyurethane compound or polymer cementitious waterproofing compound. These coatings should be given over the slabs as well as on the walls upto 40 cms above the floor level. See annexure IV.

xi) Joints of the W.C. pans and the trap should not be sealed with cement mortar, as it has poor adhesion to ceramic surfaces. Also shrinkage cracks develop in the cement mortar. Such joints should be sealed with epoxy putty, which has good adhesion to ceramic surface and is not affected by acids and chemicals. See annexure -IV.

xii) Joints in tiles provided in floors of toilets and bath rooms are a source of leakage. A specially formulated solvent based polymer sealant is commercially available for sealing these joints. It is a clear transparent compound, having low viscosity and excellent adhesion to ceramic surfaces.

xiii) Floors of bath rooms should be constructed of materials which does not readily absorb moisture. Entire floor to be sunk 25 mm from adjoining floor. Slope towards outlet 1 in 60 is recommended.

xiv) Bath room walls to a height of atleast 1 M from floor (2 M where shower is provided) should be made of impervious material such as cement plaster (smooth finish) with water proofing compound, Mosaic, Ceramic tiles or stone lining.
xv) Proper distribution, design and installation of joints in the building e.g. expansion/contraction and construction joints and maintenance thereof can go a long way towards improving the water proofing of the building, since any crack may give rise to ingress of water.

xvi) Adequacy of drainage must be ensured. As a general guide line for every 40 M2 of roof area, one 100 mm dia metre rain water pipe must be provided. Drainage will also depend upon the intensity of rain fall in the area.

Softer/compressible finishing material for roof surface like lime concrete or mud phuska, which may develop local depressions, will need steeper slopes.

3. LEAKAGE / DAMPNESS IN OLD BUILDING – DIAGNOSIS

A table to help in analysis of reasons of dampness in existing buildings is given below :-

<table>
<thead>
<tr>
<th>Visual Effects</th>
<th>Occurrence</th>
<th>Time</th>
<th>Diagonosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lime efforescence more or less horizontal with stained and damp area below</td>
<td>Just above floor level</td>
<td>All the time although height may vary with the season.</td>
<td>A rising ground moisture by Capillary.</td>
</tr>
<tr>
<td>Persistent dampness</td>
<td>One spot</td>
<td>All the time, but may Dry up for a while in Summer.</td>
<td>Leakage from some pipe.</td>
</tr>
<tr>
<td>Widespread efforescence and moulds</td>
<td>Mainly on massive constructions.</td>
<td>During first year after building or longer, there are Impervious Surfaces.</td>
<td>Entrapped water introduced during construction .</td>
</tr>
<tr>
<td>Dampness widespread on patches, without efforescence but often with moulds</td>
<td>On or behind cold surfaces</td>
<td>In cold weather or on sudden change from cold to warm humid weather.</td>
<td>Condensation</td>
</tr>
<tr>
<td>Dampness in patches with a little or no efforescence</td>
<td>On plastered surface</td>
<td>Appears when air is humid, disappears. When air is dry.</td>
<td>Condensation encouraged contamination with deliquescent Salts.</td>
</tr>
<tr>
<td>Efforescence in patches often with rings spreading out from focal points.</td>
<td>In walls where external side exposed to rain.</td>
<td>After heavy rain for longer period without a good dry weather</td>
<td>Rain penetration through walls.</td>
</tr>
<tr>
<td>Water drops spreading</td>
<td>Internal surfaces</td>
<td>After heavy rain for Longer period</td>
<td>Rain penetration through walls.</td>
</tr>
</tbody>
</table>

This table would help in deciding the cause and remedy for the dampness.
4. **TYPES OF TERRACINGS:**

Proper terracing contributes to a great extent to the waterproofing. Junction arrangement of a terracing with parapets are of utmost importance. Where a terracing is not embedded inside the parapet wall as per arrangements in annexure-I, alternative arrangement are possible to make the joint water proof by arrangements shown in annexure-V. A brief review of the various types of terracing used and precautions to be taken are given below :-

i) **BRICK BAT COBA**

This involves laying of 80 – 100 mm thick coba concrete on a prepared surface with graded broken brick aggregate. Concrete can be lime concrete or cement concrete with water proofing compound. This is useful for giving the surface the required slope so as to drain out water quickly. Since brick-ballast is hygroscopic, very good workmanship, mixing of all the ingredients in correct proportion and adequate compaction by rammers for lime concrete and by vibrators for C.C. is of paramount importance.

The brick bed coba is topped with IPS or with China Mosaic.

China mosaic is usually provided over a Coba surface by broken pieces of ceramic, China or Mosaic tiles are set over bed of cement mortar (1:3, 15mm thick).

ii) **INDIAN PATENT STONES (IPS)**

This surfacing is used either as a surface barrier treatment over a new surface or at a location where the ingress of water has taken place. A 25 – 40 mm thick layer of cement concrete 1:1:2 (8 mm to 10 mm size stone aggregate) is laid over a flat surface, giving it a correct slope before IPs are laid on top of the same. Joints on IPs are filled with a suitable sealant like bitumen, mastic, etc. Leakage may also take place through the joints which develop cracks with time. IPs can also be provided over coba concrete.

iii) **MUD PHUSKA WITH BRICK TILES**

This treatment usually consists of the following :-

a) 100 mm thick (average) mud phuska consisting of puddled clay mixed with chopped straw (bhusa) 8-10 Kg. /m³ of soil.

b) Mud plaster of paddle clay mixed with chopped straw 30 to 35 mm long.

c) One or two course of brushing ("leeping") with fine clay and cow dung in equal quantity.
d) One or two layers of bricks tiles laid on a bed of mud mortar and jointed and pointed in cement mortar 1:3.

Some time a coat of hot bitumen @ 1.7 Kg./Sqm. On a polythene sheet can be laid below the mud phuska layer.

Mud phuska also gives excellent protection from heat.

iv) **LIMECONCRETETERRACING**

This treatment has been used since time immemorial. This treatment is however most successful where temperature variation is less since the lime concrete itself crack under wide temperature changes.

Terracing consists of various proportion (which vary with regions) of brick aggregate, lime surki and sand to make a lime concrete of thickness 75 to 100 mm which is rammed and subsequently beaten with wooden thappies for three to four days as it slowly sets. While beating the surface it is liberally sprinkled with a mixture of gur and boiled bael fruit in water.

5. **COMMONLY USED WATER PROOFING SYSTEM – BITUMEN BASED**

5.1 **BITUMINOUS SURFACE TREATMENT :-**

It is a generally provided water proofing treatment for old roofs showing signs of leakage.

Mixture used is as follows :-

<table>
<thead>
<tr>
<th>COAT</th>
<th>BITUMEN</th>
<th>MINERAL OIL</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prime Coat</td>
<td>2</td>
<td>3</td>
<td>Brush</td>
</tr>
<tr>
<td>Under Coat</td>
<td>3</td>
<td>2</td>
<td>Brush</td>
</tr>
<tr>
<td>Final Coat</td>
<td>Neat</td>
<td>-</td>
<td>Wooden Trowel</td>
</tr>
</tbody>
</table>

Primer coat is applied with brush over dry clean surface and allowed to dry for 24 hours. Second coat is applied next day and final coat is applied third day. It is finally covered with 2 cm thick coarse sand or gravel.
5. 2 WATER PROFINING WITH BITUMEN FELT

Hessian based tar felt is the most common product for water proofing on the new Roofs. These felts use hessian as the barrier medium for bitumen and bituminous Compound. Bitumen felts are classified as Type 1,2,3 depending on type of base used in their manufacture and the uses for which the felts are suited. Grades refer to minimum weight of bitumen felt -

The bitumen felt should be laid over finished roof surface of slope not flatter than 1 in 120.

In normal weather conditions the treatment should consist of 4 courses as under :-

- Hot applied bitumen @ 1.2-1.464 Kg/Sqm.
- Hessian base self-finished felt type 3 Grade I.
- Hot applied bitumen @ 0.7-1.2 Kg/Sqm.
- Pea size gravel or grit @ 0.006-0.008 Cum/Sqm.

For severe climatic conditions and important structures/courses heavy duty treatment should be given as detailed below :-

Hot applied bitumen @ 1.464 Kg/Sqm minimum.

Hessian base self-finished felt type 3 Grade I.

Hot applied bitumen @ 1.464 Kg/Sqm minimum.

Pea size gravel or grit @ 0.008 Cum/Sqm.

Two types of bitumen can be used and treated as detailed below :-

i) Bharat Industrial bitumen R-85/25 (I.S.702) – 177 C.

ii)Bharat bitumen 30/40 (I.S.73) – l77 to 191 C.

In the laying of 4 or 6 courses of bitumen felt, as the case may be, over the last course of hot bitumen, stone grit or gravel of 6 mm and down size shall be spread uniformly on horizontal surfaces.

Bitumen felts suffer from following deficiencies

a) Contents of a factory finished felts are not viscous enough to retain the shape and intended characteristics of roofing felt. High viscosity is
desirable as it ensures better life for waterproofing system and helps retain its flexibility over longer duration.

b) Defective lap joints allow seepage of water.

c) Hessian being organic in nature is subject to decay within a short time, resulting in decrease in tensile strength and life of tar felt.

Now glass fibre reinforced bitumen felts are also available in market and can be used in place of vegetable fibre or hessian felts.

5.3 STANDARD APPLICATION METHODOLOGY: BITUMEN BASED SYSTEM

There are certain essential pre-requisites for any bitumen based waterproofing system to be successful.

These are

• The surface to be treated should be smooth, having proper slope.
• There should be no depression or cracks
• The surface should be bone dry.
• Any structural defaults in the roof or the parapet wall should be attended to before starting the treatment.
• Detailed steps in laying of the bitumen based surface barrier systems will be :-

   i) Make surface smooth, even and dry, remove local depressions and loose dirt.
   ii) Paint the dried surface with bituminous primer and allow it to cure.
   iii) Apply foundation coat of bitumen.
   iv) Lay surface barrier membrane i.e. bitumen felt.
   v) Apply on coat of bitumen and finish with grit or coarse sand.

6. WATER PROOFING ADMIXTURES : CEMENT BASED

Concrete having proper mix design, low water – cement ratio and sound aggregate will be impervious and needs no additives. However, resistance of concrete to penetration of moisture can be improved by adding, chemically active water repelling agents like soda and potash soap. These admixtures prevent water penetration of dry concrete. So far, no established track records are available to prove life of chemical water proofing. These products have a tendency to become
brittle and crack up due to stress in buildings, especially the thermal stresses. These products are cement, silica or polymer based and are specially formulated and designed to control the capillary pores. These products not only make concrete water proof, but also help in resisting water penetration.

Admixture used for reducing permeability of concrete are termed integral water proofing Admixtures, while admixtures imparting the property of water repellency are termed as damp Proofing admixtures.

The product details of some of the firms have been listed at annexure. There admixtures are manufactured and marketed by a large no. of firms.

7. **RECENT DEVELOPMENTS**:

A number of new products with different combination have come to the market in the recent past, to overcome the disadvantages of normal bitumen based products. Salient features and recommended areas of applications are given below:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Product</th>
<th>Salient features</th>
<th>Recommended Area of Application</th>
</tr>
</thead>
</table>
| 1       | Polymer modified bitumen coatings | i) More flexible and elastic  
ii) Their elastic recover is high and are best suited for cooler climates. Better resistance to fracture over a wide range of temperature and moisture variations.  
iii) Provide protective coating after curring time of 690 days.  
iv) Cracks under weathering action.  
v) Black in colour and therefore not pleasing in appearance | i) Water proofing of roof slabs, foundation, basements, floors, and underground structures, storage tanks, pipelines etc.  
ii) Heavy duty roof coating new or old construction.  
iii) Water proofing of domes shells. |
| 2       | Polymer Modified bitumen felts. | i) Treated or reinforced felt sandwiched between polymer modified bitumen layers.  
ii) Laid by pour of roll method joints sealed by flow torch.  
iii) Behaves like a continuous membrane. | Roofs and basements require protection on top with grit/sand from ultraviolet rays of sun. |
| 3       | Prefabricated elastic membrane. | i) Polymeric bitumen reinforced with non woven plastic fabric.  
ii) Provided with a thin polyurethane film on | Terraces, water tanks swimming pools. |
<table>
<thead>
<tr>
<th></th>
<th>outer surface. iii) Available under brand name of ‘Reliable Polyfelt’ also in rolls of 20 x 2 sqm. iv) Life 5-15 years. High crack resistant and heat resistant.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.</td>
<td>- Polymer Emulsions/membranes water based coatings based on. PVA, SBR etc. – acrylic based polymers are the best. Polymers -Solvent Based -Water Based</td>
</tr>
<tr>
<td></td>
<td>i) Performance is good. ii) Allows concrete to breathe without allowing diffusion of Oxygen, CO2, rainwater etc. from outside. iii) Acrylic emulsion have better compatibility with the substrates and better weatheribility. iv) These are transparent after drying. v) Excellent adhesion to all types of building materials such as Concrete stone, brick and timber. vi) Resistance to high temperature variations, ultra-violet rays etc. vii)Weight of treatment only 0.4 kg/sqm. viii) Not suitable for surfaces having macropores. ix) Solvent based polymer water proofing compounds applied on dry surface by spray only.</td>
</tr>
<tr>
<td></td>
<td>To prevent dampness and efforescence and for water proofing of terraces, walls, chhajjas and all other concrete surfaces.</td>
</tr>
<tr>
<td>5</td>
<td>Alkali proof synthetic felt</td>
</tr>
<tr>
<td></td>
<td>i) Gives water proofing, thermal insulation on walls as and /alkali resistance. ii) Synthetic polymeric membrane of 4 layers including LPDE and HDPE iii) Available also in brand name of ‘Roof guard’ is fire retardant. iv) Life 40 years (claimed by manufactures)</td>
</tr>
<tr>
<td></td>
<td>Terrace gardness.</td>
</tr>
<tr>
<td>6</td>
<td>Silicon based emulsions Colourless water repellent, limited life, poor bridging capacity, do</td>
</tr>
<tr>
<td></td>
<td>Vertical walls, specially stone facades.</td>
</tr>
</tbody>
</table>
| 7 | Epoxy based coatings | i) Very good adhesion and bonding properties.  
   ii) Resistant to more of the chemicals.  
   iii) Costly, limited resistance when exposed to sunlight.  
   iv) Water thinable epoxy coating cannot be use for external walls.  
   v) Cannot withstand expansion/contraction. | i) Used as water proofing, damp proofing, protective coatings for internal application.  
   ii) Water thinable epoxy coatings can be applied on wet surfaces for damp proofing.  
   iii) Useful for coating in water tanks, surface floors, swimming pools, treatment plants.  
   Grouting of cracked CC/RCC elements |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Polyurethane compounds</td>
<td>Forms impervious membrane. Has good adhesion to concrete. Resistant to mild acids/alkalies. High elasticity, strong addition to substrate, high abrasion and cracking resistance and high resistant to biological defacement. Adverse effect of ultraviolet rays and requires covering by materials resistant to sun rays. Should be applied on dry surfaces.</td>
<td>Waterproofing/ damp proofing of floorings and internal surfaces i.e. water tanks, basements, inside of treatment plants.</td>
</tr>
</tbody>
</table>
| 9 | Cementitious Polymer Waterproofing compound. | i) Available in two packs  
   part-A – Cement and chemical additives  
   Part-B Polymer emulsion.  
   ii) Suitable for application on surfaces having macropores also.  
   iii) Can be applied on wet surface.  
   iv) Resistant to aggressive environment and abrasion.  
   v) Can be applied by brush on dry & wet surfaces. Weight of treatment 1 kg/ sq m. |Terraces walls, water tanks effluent, treatment plants, lagoons etc. |
7.2 A number of waterproofing companies have come up that manufacture some of the above products. Name & Address of some of them along with the trade name of some of their products are given at annexure.

7.3 **CONCRETE WATER PROOFING BY CRYSTALIZATION**

These products comprise mineral based hydraulically setting products, which when applied to concrete as a cementitious slurry react with concrete to form a crystalline structure deep within the capillary and pore structures, blocking voids and producing a water proofing effect. Cement and sand used in the product are used as a carrying agent for the chemicals.

The active components in slurry react with the by-products of cement hydrations and give rise to insoluble crystals. The system becomes permanent, integral part of the concrete itself. There is no other preparation of concrete needed beyond cleaning the surface. The product comes in different names and the products available and their manufacturers are given at annexure.

This treatment may be useful for dampness due to capillary action of poorly executed plinth damp course. For better results however downwardly inclined holes are to be bored in the masonry where the “Semafit VK” of MC Bauchemic can be grouted. This will diffuse into the masonry and give plinth protection from dampness.

Sketches showing some different types of water proofing arrangements for existing and new constructions are enclosed at annexure 1-5.

Addresses of some of the manufactureres of various water proofing materials are also given at Annexure 7.

Sd/-  
(M R DAS)  
Chief Planning & Design Engineer  
For General Manager (Engg.)
ANNEXURE-VI

LIST OF SOME RELEVANT INDIAN STANDARD

5. Glossary for Bitumen Material Damp and water proofing of building-IS:4911.


### ANNEXURE

**LIST OF SOME OF THE FIRMS MANUFACTURING TARFELTS**

<table>
<thead>
<tr>
<th>FIRM</th>
<th>PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FGP Limited</td>
<td>Fibre glass tissue in water proofing. 9, Wallace Street, Fort, Mumbai</td>
</tr>
<tr>
<td>STP Limited</td>
<td>Tarfelts &amp; Tarplastics and sealants. 16, Bank Street, Fort, Mumbai</td>
</tr>
<tr>
<td>Reliable Water proofing Industries</td>
<td>Reliable Polyfelt ¼ Chanji Shyamji Industrial Complex Off Mahakali Caves Road, Andheri (W) Mumbai</td>
</tr>
<tr>
<td>Daylight Polymers Pvt..Ltd.</td>
<td>Roof guard Synthetic felt E/M Gopala Towers, Rajendra Place, New Delhi-110008</td>
</tr>
<tr>
<td>The ACC Ltd</td>
<td>Accoproof Cement House, 121, M.K. Road, Mumbai</td>
</tr>
<tr>
<td>Ruffe Construction Chemicals Pvt.Ltd.</td>
<td>Roff Plaster master, CI Hynproof 12C, Vikas Centre, S.V.Road, Santacruz (W) Mumbai</td>
</tr>
<tr>
<td>Sika Qualerate Private Ltd</td>
<td>Sikatop Seal 107 Apeejay Commercial Complex Sealoflex 5th floor, Sector – 17 Vashi, New Mumbai Primex 150 Primex 250</td>
</tr>
<tr>
<td>MC – Bauchemic (India Private Limited</td>
<td>Roofex 2000 201, Vardhman Chambers Sector 17, New UTI Building Vashi, New Mumbai.</td>
</tr>
</tbody>
</table>
Sunanda Speciality Coatings Pvt. Ltd
25, Juhu Darshan
New D N Road, Andheri (W)
Mumbai.

Om Agro Industrial Plastics Pvt. Ltd.
6, Sarvodaya Industrial Estate
Andheri (E), Mumbai.

Roffe Construction Chemicals Pvt. Ltd.
45A, Mittal Tower,
Nariman Point
Mumbai-400 021.
Calcutta-Tel: 2202422

Lloyd Insulations (India) Ltd.
New Delhi

STP Limited
P/46 Hide Road, Cal-700 088.
Tel. 49158/1811/5182
6, LYON’s Range
Calculta-700 001.
Tel: 201213/5191/2941

Sika Qualcrete Limited.
24-B, Park Street,
Calculta-700015.
Tel: 294670/3622/0329/0330.

Engineering Services International.
BC 192, Salt Lake City,
Calculta-700064.
Tel: 3213524/3375776.

IPWTCorporation, 1306, Raheja Centre
Nariman Point, Mumbai,

MC Baycngenuc (India) Pvt.Ltd.  Dichtament DS
201, Vardhman Chambers
Vashi, New Mumbai

Roffe Construction Chemicals Pvt.Ltd.,  Foffee Hy-Seal
12C, Vikas Centre,
S.V.Road, Santacruz,
Mumbai.

Boyes & Company  Concrete
W/No – 16, Tinali
P.O. – Dulijan

Polycoat SS.  Polyalk:WP
Omaicrjel,  Instrecam
Roffe Hy-Guard  Roffe Hy-treat.
Isothene EM* Elastomer
Isothene EMA
Bitumen felts
normal and
reinforced.

xypex
Xypex          Modified
Concentrate.
Dibrugarh – 786602  
Ph: 037536 – 368  

Brahma waterproofing Co.  
30, Gobinda Banerjee Lane  
Calcutta – 7000 33  
Ph: 4131870/4372730  
Fax: 4131870  

Dey & Co.  
27, Ananda Palit Road  
Calcutta – 7000 14  

Dukart & Co. Pvt. Ltd.  
83, Topsia Rd (s)  
Calcutta – 7000 46  
Ph: 438061/409477  

CICO Group  
The Structural Waterproofing Co. Pvt. Ltd.  
CICO House.  
21/1 Dover Rd.  
Calcutta – 7000 19  
Ph: 4759950/2684, Fax: 4758240  

20, 3rd floor, V.J. Apts No.24,  
4th main Road, Gandhi Nagar,  
Adyar, Chennai – 6000 20  
Ph: 4908634, Fax: 4908634  

406 Deepali, 92 Nehru Place,  
New Delhi – 1100 19  
Ph: 6420544/6236411  
Fax: 6221055/6489365  

Mahavir Centre, Office No.56,  
Sector – 17, Vashi,  
Navi Mumbai – 400 703  
Ph: 7671670/7680098, Fax: 7672643  

EMCO General Plastic Inds Pvt Ltd.  

Waterproofers and water sealants; Concrete admixtures; concreting aids; protective coatings/impregnations; grouts & grouting compounds; industrial floorings, shotcrete products; epoxy based repair compounds; moisture insensitive epoxies; capsules for anchoring/bolting; tile adhesives; sealants; waterproofing compounds and coatings.

Waterproofers and water sealants; Concrete admixtures; concreting aids; protective coatings/impregnations; grouts & grouting compounds; industrial floorings, shotcrete products; epoxy based repair compounds; moisture insensitive epoxies; capsules for anchoring/bolting; tile adhesives; sealants; waterproofing compounds and coatings.

adhesive and water proofing systems.

Plasticisers. Groutex, polymers and cementitious paints.

Cement Coating, cement waterproofing compound, expansion fillers, and red oxide cement flooring colour and primers.

Cement waterproofing compound in powder and paste, super plasticisers, retarders – water reducing and retarding admixture for concrete, leak proof compound for roof and basement, jointing compounds, surface hardener, black bituminous paints and primers and varnishes.

Waterproofing compound.
Engineering Services International
BC 192, Salt lake City,
Calcutta – 7000 64
Ph : 3375776/3213524
Fax : 3373082
Permarkar 2 – waterproofing material/treatment for under-ground and water retaining structures; Permarkar 3 – waterproofing material/treatment for above ground structures; Permaroof – a versatile waterproofing material for above structures.

Ferrosite Co.
2, Cockburn Lane
Royd St,
Calcutta – 7000 16
Ph : 296638/7730, Fax : 296638
Acid Proof cement, Potassium – silicate based cement, phenolic, furan and epoxy based cement for screening or jointing in tile and brick, chemical, impact and abrasion resistant coatings.

Jenson & Necholson (I) Ltd.
225, AJC Bose Rd,
Calcutta – 7000 20
Ph : 2470017/5490, Fax : 2472632
Varnishes, paints, synthetic enamels, plastic emulsion, primers, powder coatings, construction and waterproofing chemicals.

Acro Constructions Aids Pvt. Ltd.
1/10-B, Munshi Niketan,
Asaf Ali Rd.
New Delhi- 110002
Ph : 3238013/6852
Fax :3230689
Waterproofing compounds, polymer modified mortar/Waterproofing system/concrete; concrete/morter admixture; concrete aid/curing compound/release agent; bonding agent/synthetic repair mortar; flooring compounds; silicon waterproofing/impregnation; grout and grouting products; tile adhesives; joint sealant/elastomer and chemical grouts for injection.

Arlabs Ltd.
EA-1/66,Inder Puri,
New Delhi-110012.
Building Chemicals, grouts, waterproofing compounds, floor and masonry protective coatings.

Asian Laboratories,
88 New Okhla Indl.Complex,
Phase-II, New Delhi-110020,
Ph : 6316063/6916093
FAX:6316063.
Admixtures for concrete and mortar, super plasticisers, expansive grouting agents and chemical grouts, bonding agents, water proofing and water repellent compounds, flooring compounds and construction chemicals.

Associated Cement Cos Ltd.,
82-84, Janpath
New Delhi – 1100 01
Cement, Concrete, Waterproofing and refractory products.
Complete range of decorative paints, texture paints, premium acrylic emulsions, white raw 100 percent acrylics for exteriors, waterproofing, epoxy coatings, polyurethane, etc.

'Sweepco' – heavy duty waterproof coatings

'Colorcem' – Decorative waterproof cement paint.

Waterproof coatings; water proofing additives for cement/concrete; polymeric-floor coatings/repairing mortars; polymeric grouting mortars/sealants; polymeric bonding agent for new to old concrete; corrosion resistant mortars and polymeric membrane for waterproofing. ‘CICO’ brand cement and water proofing compounds.

Super Thermolay-S-Premierflex, Super Thermolay-Torchseal, Aquashield – Glasseal and Supertene 5000X.

Leakproof and insulation treatment chemicals.

Bitumen (all grades), tarfelts, Sealing compounds, all bitumen based products.

Paints, Synthetic enamel, primers, surfacers, thinners, preservatives, anti-corrosive and chemical resistant coatings, distemper, plastic paints, cement
hammertone and special effect paints, rust preservative and phosphating chemicals, rubberised, epoxy and other sealants for roof tunnel and pigments.

Organic India
R-198, Rasoolpur,
Barabanki – 225110,
Ph : 2408

Waterproofing material for concrete structures, skylight sheets and domes.

U P Asbestos Ltd.
Mahmoodbad Est. Bldg.
Hazratranj,
Lucknow – 226001
Ph : 242905/06, 232841
Fax : 236986

Asbestos cement corrugated sheets, plain boards and accessories.

Neelam’s Building Protection System Ltd.
SCO – 861, Kalka – Chandigarh Rd
Sudon’s house, Manimajra,
Chandigarh – 160101
Ph : 554469/4579/4301, Fax : 562064

Epoxy flooring and anti – corrosive coating.

Rasayanshala
23 Indira Ngr.
Opp Vishkrama Mandir,
Buria Gate
Jagadhri – 135003
Ph : 28288/26494

Anti corrosive and decorative paints, coatings and waterproofing compounds.

HI-Tech Markrting Agencies
V/237 Kiwis Nest,
Blue Lane, Chhoti Line
Model Town
Yamunanagar – 135001
Ph : 21267/30314/31531
Fax : 31531

FRP hand-lay components, epoxy run-way repairing compounds, epoxy and heat shrinkable cable jointing kits and compounds, anti – corrosive coatings, acid resistant flooring, tank lining and waterproofings, grating for walkways on chemical tanks, alluminium glazing for doors and windows.

Associated Small Industries
14, Tijori Goli,
Siyaganj, Indore – 452007
Ph : 35239/36105

Waterproofing solution, acid and chemical resistant cement

Dropex (I) Tar Products Pvt. Ltd.
E3/105, Arera Cly
Bhopal – 462016, Ph : 563230/4062

Do-it-yourself waterproof systems kit for repair of roofing sheets.
**Essem Supplements India Ltd.**
1-7-283/B,
Sarojini Devi Rd,
Secunderabad – 500003
Ph : 819462
Construction chemicals, concrete and admixtures, grouts; industrial floor coatings and protective coatings for concrete and steel; waterproofing compound; sealants; repair mortars, tile adhesives; bonding agents; waterproof membranes and concrete surface treatments.

**Killick Nixon Ltd.**
1st Floor, 126 Sarojini Devi Rd.
Secunderabad – 500003
Ph : 842788/843952
Cement, Paints and waterproofing material.

**Addison Paints & Chemicals Ltd**
Huzur gardens,
Sembiam
Chennai – 600011
Ph : 575887/8/9
Paints, Varnishes, lacquers, enamels and roof-proofing compounds.

**Cera Chem Pvt. Ltd.**
Construction Chemicals Products
71-C, New Avadi Road,
Kilpauk, Chennai – 600010
Ph : 6441013, Fax : 6443621
Manufacturing of : China cly mosaic tile waterproofing treatment for roofs.

**M J Engineering Co**
1, Acharya J C Bose Rd.
Calcutta-700020
Ph: 2821694, Fax : 2477257
Manufactures of Building admixtures and waterproofing chemicals.

**Saraf Impex Pvt. Ltd.**
1/A Vansittart Row
Calcutta-700001
Ph: 2485220/1, Fax: 2484190
Manufactures of waterproofing products.

**Sikha Qualcrete**
620, D.H. Rd.Comercial complex
Phase-II, 3rd, floor.
Calcutta-700034.
Ph: 4472448/2449/2505, Fax: 4688688
Manufactures of waterproofing chemicals, grouts and adhesives.

**Structural Waterproofing Co.Pvt. Ltd**
21/1. Dover Rd.
Calcutta-700019
Ph: 4755378/2684/9950, Fax : 4758240
Manufactures of waterproofing chemicals, grouts and adhesives.
Wacker Metroark Chemicals (P) Ltd.
Diamond Harbour Rd.
Chandi, 24Parganas(S)
West Bengal-743503.
Ph: 4708384/90, Fax: 4709943/523

Manufacture of Sylostomer RTV 01 a two part elastomeric 100 percent silicone roof coating system for water proofing and UV protection having paintable consistancy.

Alkyl Chemicals
Dipti House, Mograwadi
Valsad – 396001
Ph : 3454

Waterproofing compounds and anti – corrosion paints.

Chembond Chemicals Ltd.
309, 2nd floor, Rajkamal Plaza – B,
Opp. High Court, P.O. Navjivan
Ahmedabad - 380014 Ph : 6562671

Building chemicals, grouts, waterproofing compounds floor and masonry protective coatings.

Chitra Insultec Pvt Ltd.
Ashish, 2nd Floor,
CG Rd, Swastik 4 Rd Jn
Navarangpura, Ahmedabad-380009
Ph : 6441919/4210, Fax - 6464210

Waterproofing material.

Contech Chemicals
A/3, Panchtirth Apts,
PO Paldi, Nr Mahalaxmi Cross Rd
Ahmedabad – 380007
Ph : 6636423, Fax : 6621078

Waterproofing admixtures, coating systems and non shrink grouts.

Dwarkadas Velji Talpatriwala
802 Windsor Plaza,
RC Dutt Rd,
Baroda – 390005
Ph : 300232/3, Fax : 300233

Duck Poly reinforced and cotton canvas tarpaulins.

Kalyan Inds
POB 25, Velchand Bldg,
B/n Danapith
Bhavangar – 364001
Ph : 426521/0825, Fax : 421004

Kironite instant floor hardener, solution J, curing compound, sealants, heavy duty tiles and waterproofing paint.

Krishna Sealants & Polymers
401 Business Centre
Pattharkuva, Relief Rd,
Ahmedabad – 380001
Ph : 369893/416120

Epoxy putty, paints and adhesive, anti – corrosive protective coatings, waterproofing chemicals based on epoxy resin, copper – clad glass epoxy laminates.

Pascal Laboratories
POB 2509

Waterproofing materials and chemicals, epoxy putty resin and hardners, adhesive
102, Antrix, 3rd floor
Sayajigunj,
Baroda- 390005
Ph : 361393, Fax : 338627

Aarke Corporation
C-9, 1st flr, Indl Estate
Nr Digvijay Cement Factory,
Sewree (E)
Mumbai - 400015
Ph : 4120023/92,Fax : 4166191

Apurva Buildcare Technologies Pvt. Ltd.
1, Ashirwad, Gr.Fl.
Opp Kakad Indl Est
Off L J Rd, Mahim
Mumbai - 400016
Ph : 4222411, Fax : 4374042

Caxtralt Laboratories
12A/72 Shree Mohan Chs
Govinds nagar, Sodavala lane
Borivali (W)
Mumbai - 400092
Ph : 8012610

Chematax Enterprise
Shop no.1, Sarvodaya nagar
Dattamandir Rd
Nr Military compound
Malad (E), Mumbai - 400097
Ph : 8887279/8810574

Chemiosol Adhesives Pvt. Ltd.
Devikaran mans,
2nd floor, Blk no 6
16, Vithaldas Rd
Mumbai - 400002
Ph : 2061378/9227, Fax : 2055326

Choksey Chemicals Pvt. Ltd.
111 Indl Area, Sion (E)
Mumbai - 400022
Ph : 4090124/0127, Fax : 4072949

Ciba Speciality Chemicals (India) Ltd.
Performance polymers Ltd.
Bldg no. 40, Gr. Fl
Off Aarey Rd, Goregaon (E)

and coatings, sealant, iron aggregates
additive for cement concrete, water based
epoxy and polyester resin catalyst.

Waterproof cement paint, waterproofing
compound, speciality materials for
building and waterproofing system of
terraces, roofs and walls.

Waterproofing chemicals and floor
coatings.

Cytochemical integral cement
waterproofing compound.

Building waterproofing products, plasters,
admixtures, liquids, surface coating
compounds based on acrylic,
polyurethane, silicon crack filler
compounds.

Waterproof and anti corrosive coatings,
sealants, admixtures and flooring
products.

Techseal, silicon, polysulphide,
Polyurethane, and butyl rubber based
sealants, waterproofing compounds water
repellants, cement admixtures, grouts,
flooring and protective coatings.

Sealants, primers, leak repair compounds,
cement concrete/ mortar admixtures,
concrete bonding and tile fixing adhesive,
tile joint filler and grouts, waterproofing
products, water repellant and protective
Mumbai – 400063
Ph : 8403221/8401705
Fax : 8401812
coatings, floor hardener, floor coating,
Sterile coating and waterproofing products
for external, internal and under ground
structures.

Cristal Chemicals Co
76/27, Sneh Kunj
Shanti Sheela Soct
Law college Rd
Pune 411004
Ph : 338993
Waterproofing compounds, concrete and
plaster adhesives and paint adhesives.

Dr. Beck & Co. (I) Ltd.
796/ 189 – B , B I Rd
Pune – 411004
Ph : 378842/1387, Fax : 336074
Polyurethane based two component
waterproofing system.

Electrical Components Mfg & Trdg
Co.
Room No.6, Bajirao Lande Patil
Bldg
Landewadi, Bhosari
Pune – 411039
Ph : 664618/791398, Fax : 664618
Epoxy paints, waterproofing compounds
Klipseal GP epoxy compounds, cable
jointing compounds and Kits and seal
plasts.

Galeforce Corporation
IPWT house, Plot No. 34
Deonar Ancillary Indl Est
Next to Aries, Govandi (W)
Mumbai – 400043
Ph : 5559191, Fax : 5559132
Waterproofing and construction chemicals.

Hindustan Mineral Product Pvt. Ltd.
111, Indl Area, Sion
Mumbai – 400022
Ph : 4090127
Sealants compounds.

Industrial Mineral & Chemical Co.
Pvt. Ltd.
13, Sriniketan, 3rd flr
Block 13, 2nd Marine X lane,
M Karve Rd. Churchgate
Mumbai – 400020
Ph : 2009647/73, Fax : 2014850
Chemicals, Foundary fluxes, Insulating
and building materials.

Industrial Products
428, Arun Chambers,
Tardeo Rd
Mumbai – 400034
Ph : 4962711/12, Fax : 4962712
Fibre glass, reinforcement tapes for
cement plaster cracks, fibre galss
reinforcement cloth for reinforcement of
cement plaster.

Inmarco Industrial Maintenance (P)
Plasticisers, retarders, waterproofing,
weather proofing and curing compounds, mould release agents, tile adhesives and epoxy compounds.

Cement paints, sand textured wall finishes, acrylic finishes, oxide colours, wetseal waterproofing compounds, etc.

Waterproofing materials & chemicals.

Concrete plasticisers, retarders, waterproofing additives, systems and coatings, bonding release agents, moulds, surface retarders, repair mortars, non shrink grouts, curing compound, epoxies, polyurethanes, acrylates.

Silicon sealants for structural glazing, weatherseal, masonary water repellents and damp proofing course.


Synthetic rubber sealants, guns and
F/8 Laxmi Woolen Mills Compound
Shakti Mills lane,
POB 16261, Mahalaxmi
Mumbai – 400011
Ph : 4974889/4922689

mastic, polyurethane and chlorinated rubber water proofing coatings, plastic epoxy primer, polymer crack fillers, super plasticisers and other additives for concrete and mortar.

Polyresin & Chemicals
31 Israil Mohalla
Bhagwan Bhavan
Masjid Bunder Rd
Mumbai – 400009
Ph : 3720435/3757009, Fax : 3743931

Synthetic resin adhesive SH, Synthetic adhesive binder DDL, construction chemicals and waterproofing chemicals.

Ratanshi Lalji
56H, Rasul Jiwa compound
K Khadye Marg
Jacob Circle,
Mumbai – 400011
Ph : 3079033

Waterproof materials.

Reliance Silicons (I) Pvt. Ltd.
95, Mital Tower ‘B’
210 Nirman Pt
Mumbai – 400021
Ph : 2872408 Fax : 2047455

Sealants.

Roffe Construction Chemical Pvt. Ltd.
12/C, Vikas Centre
S V Rd, Santacruz (w)
Mumbai – 400054
Ph : 6132434/6153904 Fax : 6116057

Concrete curing compounds.

Sektra Polymers
Sekasaria chambers, 3rd Flr.
139, N Master Rd, Fort
Mumbai – 400001
Ph : 2673488/7517

Polyurethane based waterproofing materials.

Roofit Industries Ltd.
501, Sangali bank Bldg.
296, Perin Nirman st.
Fort, Mumbai – 400001
Ph : 2864333/2864552 Fax : 2665804

Asbestos cement sheets and accessories.

Srinath company
102, Parmer Chambers,
Sadhu Vaswani Chowk
Pune, 411001

Waterproofing materials and chemicals.
Snowcem India Ltd.
Killick Estate,
Baji Pasalkar Marg
Chandivili
Mumbai – 400072
Ph : 8574481/0691 Fax : 8573549/5076

Impermo – a cement waterproofing compound and hardcrete – a concrete hardening and waterproofing liquid.

Sunanda Speciality Coating Pvt. Ltd.
2/21, Juhu Darshan, New D N Nagar
Andheri (W), Mumbai – 400053
Ph : 6237618/6205813
Fax : 6232265

Waterproofing chemicals for terraces, external walls, concrete admixtures, tile fixing agents, superplasticisers, bonding agents, corrosion resistant system, epoxy etc.

Tiger Steel Engineering (I) Pvt. Ltd.
606, Devavrata, sector – 17
Next to UTI, Vashi, Navi, Mumbai- 400705, Ph : 7686929/7635489
Fax : 7614886

Tiger –zip standing seam roof system.

Universal silicomns and Lubricants Pvt. Ltd.
Unit no. 6,7 & 8, Udyog Mandir,
No.2 Pitambar lane, Mahim,
Mumbai – 400016 Ph : 4443820
Fax : 4457710

Silicone RTV construction sealants of various grades, multiseal and molykote speciality lubricants.

Ursheshu Chemicals and Allied Inds (P) Ltd.
Shop No. S/7, Abhilasa Building,
Saibaba Park, Evershine Nagar,
Malad (W), Mumbai – 400064
Ph : 8882370

Waterproofing and anti corrosive compounds.

VCM Polyurethanes Pvt. Ltd.
W-134, Phase –II
MIDC, Mannpada Rd
Dombivli (E), Dist – Thane

Polyurethane based coating for anti corrosive, waterproofing and decorative applications and special coats for flooring.

Xypex- Galeforce
34, Deonar Ancillary Indl Complex
Deonar, Govandi (W),
Mumbai – 400043
Ph – 5559191 Fax : 5559132

Xypex ‘Concentrate’ – a crystalline waterproofing chemicals; Xypex ‘Modified’ – used as a second coat to reinforce the first product and also used as an exterior damp proofing products; Xypex ‘Patch – N –Plug’ – used as a patching agent and for concrete repairs
and Xypex ® Admix C-1000 and C-2000 – a crystalline dry powder compound for waterproofing, protection and improvement of concrete and mix at time of batching.

Concrete Admixtures, grouts, repair and maintenance products, protective coating adhesive and water proofing systems.

Plasticisers. Groutex, polymers and cementitious paints.

Cement Coating, cement water-proofing compound, expansion fillers, and red oxide cement flooring colour and primers.

Cement waterproofing compound in powder and paste, super plasticisers, retarders – water reducing and retarding admixture for concrete, leak proof compound for roof and basement, jointing compounds, surface hardener, black bituminous paints and primers and varnishes

Waterproofers and water sealants; Concrete admixtures; concreting aids; protective coatings/impregnations; grouts & grouting compounds; industrial floorings, shotcrete products; epoxy based repair compounds; moisture insensitive epoxies; capsules for anchoring/bolting; tile adhesives; sealants; waterproofing compounds and coatings.
EMCO General Plastic Inds Pvt Ltd.
P-30, Gariahat Rd,
Calcutta - 7000 28
Ph : 4645369/4631464, Fax : 4633467

Waterproofing compound.

Engineering Services International
BC 192, Salt lake City,
Calcutta – 7000 64
Ph : 3375776/3213524
Fax : 3373082

Permarkar 2 – waterproofing material/ treatment for under- ground and water retaining structures; Permarkar 3 – waterproofing material/ treatment for above ground structures; Permaroof – a versatile waterproofing material for above structures.

Ferrosite Co.
2, Cockburn Lane
Royd St,
Calcutta – 7000 16
Ph : 296638/7730, Fax : 296638

Acid Proof cement, Potassium – silicate based cement, phenolic, furan and epoxy based cement for screening or jointing in tile and brick, chemical, impact and abrasion resistant coatings.

Jenson & Necholson (I) Ltd.
225, AJC Bose Rd,
Calcutta – 7000 20
Ph : 2470017/5490, Fax : 2472632

Varnishes, paints, synthetic enamels, plastic emulsion, primers, powder coatings, construction and waterproofing chemicals.

Acro Constructions Aids Pvt. ltd.
1/10-B, Munshi Niketan,
Asaf Ali Rd.
New Delhi- 110002
Ph : 3238013/6852
Fax :3230689

Waterproofing compounds, polymer modified mortar/Waterproofing system/concrete; concrete/morter admixture; concrete aid/curing compound/release agent; bonding agent/synthetic repair morter; flooring compounds; silicon waterproofing/impregnation; grout and grouting products; tile adhesives; joint sealant/elastomer and chemical grouts for injection.

Arlabs Ltd.
EA-1/66,Inder Puri,
New Delhi-110012.

Building Chemicals, grouts, water proofing compounds, floor and masonry protective coatings.

Asian Laboratories,
88 New Okhla Indl.Complex,
Phase-II, New Delhi-110020,
Ph : 6316063/6916093
FAX:6316063.

Admixtures for concrete and morter, super plasticisers, expansive grouting agents and chemical grouts, bonding agents, water proofing and water repellent compounds, flooring compounds and construction chemicals.

Associated Cement Cos Ltd.,
82-84, Janpath
New Delhi – 1100 01
Ph: 3320933/1837, Fax : 3320566

Cement, Concrete, Waterproofing and refractory products.
Boston Paint Inds.
27/25, Rd. No. 23,
Libaspur, Delhi – 110042
Ph: 7290760/9033, Fax: 7893633/296237
Complete range of decorative paints, texture paints, premium acrylic emulsions, white raw 100 percent acrylics for exteriors, waterproofing, epoxy coatings, polyurethane, etc.

Chandralok Engineers Pvt. Ltd.
114, Daryaganj,
New Delhi-110012
Ph: 3275252, Fax: 3275252
‘Swepco’ – heavy duty waterproof coatings

Gagandeep Builders Pvt. Ltd.
2988/40, Beadon Pura,
karol Bagh,
New Delhi – 110005,
Ph: 5711534/2278
‘Colorcem’ – Decorative waterproof cement paint.

Greensboro Polychem Pvt. Ltd.
119, Defence Colony,
Flyover Market,
New Delhi-110024
Ph: 4316209/4329335
Fax: 4319123.
Waterproof coatings; water proofing additives for cement/concrete; polymeric-floor coatings/repairing mortars; polymeric grouting mortars/sealants; polymeric bonding agent for new to old concrete; corrosion resistant mortars and polymeric membrane for waterproofing.

Structural waterproofing Co. Pvt. Ltd.
406 Deepali, 92, Nehru place
New Delhi-110019, Ph: 6435432/6445680
‘CICO’ brand cement and water proofing compounds.

STP Limited
STP House
570, Phase V, Udyog Vihar,
Gurgaon-122016
Ph: 343204, Fax: 343206
Super Thermolay-S-Premierflex, Super Thermolay-Torchseal, Aquashield – Glasseal and Supertene 5000X.

Sudharsan Associates
LG-16, Insa Shopping Complex
Naniwala Bag, Azadpur
New Delhi – 110033
Leakproof and insulation treatment chemicals.

Agra Bitumen Inds.
C-2/37, Vikas Mkt.
Kamla Nagar, Ph: 381334/5
Agra – 282005 Fax: 382925
Bitumen (all grades), tarfelts, Sealing compounds, all bitumen based products.

Mohan paints
Goods shed Baug
Lucknow – 226006
Ph: 265404/753
Paints, Synthetic enamel, primers, surfacers, thinners, preservatives, anti-corrosive and chemical resistant coatings, distemper, plastic paints, cement hammertone and special effect paints, rust preservative and phosphating chemicals, rubberised, epoxy and other sealants for roof tunnel and pigments.
Premier varnishes
123/435 fazal Ganj.
Kanpur – 208012
Ph : 220830

Sky light sheets and domes,
waterproofing material for concrete
structure and fibre glass storage tanks.

U P Asbestos Ltd.
Mahmoodbad Est. Bldg.
Hazratranj, Lucknow – 226001
Ph : 242905/06, 232841, Fax :
236986

Asbestos cement corrugated sheets, plain
boards and accessories.

Neelam’s Building Protection
System Ltd.
SCO – 861, Kalka – Chandigarh Rd
Sudon’s house, Manimajra,
Chandigarh – 160101
Ph : 554469/4579/4301, Fax :
562064

Epoxy flooring and anti – corrosive
coating.

Rasayanshala
23 Indira Ngr.
Opp Vishkrama Mandir, Buria Gate
Jagadhri – 135003, Ph :
28288/26494

Anti corrosive and decorative paints,
coatings and waterproofing compounds.

HI-Tech Marketing Agencies
V/237 Kiwis Nest,
Blue Lane, Chhoti Line
Model Town
Yamunanagar – 135001
Ph : 21267/30314/31531, Fax :
31531

FRP hand-lay components, epoxy run-way
repairing compounds, epoxy and heat
shrinkable cable jointing kits and
compounds, anti – corrosive coatings,
acid resistant flooring, tank lining and
waterproofings, grating for walkways on
chemical tanks, alluminium glazing for
doors and windows.

Associated Small Industries
14, Tijori Goli, Siyaganj,
Indore – 452007, Ph :
35239/36105

Waterproofing solution, acid and chemical
resistant cement

Dropex (I) Tar Products Pvt.
Ltd.
E3/105, Arera Cly
Bhopal – 462016
Ph : 563230/4062

Do-it-yourself waterproof systems kit for
repair of roofing sheets.

Essem Supplements India Ltd.
1-7-283/B,
Sarojini Devi Rd,
Secunderabad – 500003
Ph : 819462

Construction chemicals, concrete and
admixtures, grouts; industrial floor
coatings and protective coatings for
concrete and steel; waterproofing
compound; sealants; repair mortars, tile
adhesives; bonding agents; waterproof
membranes and concrete surface
treatments.

Killick Nixon Ltd.

Cement, Paints and waterproofing
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Contact Information</th>
<th>Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Addison Paints &amp; Chemicals Ltd</td>
<td>Huzur gardens, Sembiam, Chennai – 600011 Ph : 575887/8/9</td>
<td>Paints, Varnishes, lacquers, enamels and roof-proofing compounds.</td>
<td></td>
</tr>
<tr>
<td>Coromandel Prodorite Ltd.</td>
<td>24, Thattankulam Rd. Madhavaram Chennai – 600060 Ph : 5375952/6, Fax : 5375374</td>
<td>Acid – alkali proof tiles, lining of tanks, specialised epoxy, PV coatings for walls and floors, waterproofing material for roofs and FRP chemical and process equipment.</td>
<td></td>
</tr>
<tr>
<td>Sterling Decors (P) Ltd.</td>
<td>42, Indira Nagar Valasaravakkam, Chennai : 600087 Ph : 4869829 , Fax : 4861038</td>
<td>Speciality coatings, waterproofing materials, washable textures for interiors and exteriors.</td>
<td></td>
</tr>
<tr>
<td>Supertex Indl Corpn.</td>
<td>5/11, Vaithianatha St Mudali St., Chennai – 600081 Ph : 553609</td>
<td>Textured coats, waterproof wall paints, integral waterproofing compounds and expansion fillers.</td>
<td></td>
</tr>
<tr>
<td>Tuff Sealers</td>
<td>39, Periapalli St. Mandavelipakkam, Chennai – 600028</td>
<td>Waterproofing materials.</td>
<td></td>
</tr>
</tbody>
</table>
Vijay Constro Chemicals Pvt. Ltd.
498, Singaraja Kottai Big St.
Rajapalayam – 626117
Ph : 57314, Fax : 57504
Rust converter paint removers, waterproofing liquid and power, super plasticisers, heat resistant coatings.

ACE Sealing and Waterproofing Co.
10, St Patrick’s shopping Arcade,
1st Floor, Brigade Rd,
Bangalore – 560025
Ph : 5568412/5537511
Polysulphide sealants.

Arbee Engineers
192, III Flr,
Subbarama Chetty Rd.
Basavanagudi
Bangalore – 560004
Ph : 6610683, Fax : 6616994
Waterproofing tiles and epoxy floor patch.

Feather Touch Oxides Pvt. Ltd.
POB 9525, No 108
17C main 5th Blk
Keramangala
Bangalore – 560095
Ph : 5530360/5525535, Fax : 5533358
One coat waterproof cement paint, microfined red oxide, premium red oxide.

Fosroc Chemicals (India) Ltd.
Hafeeza Chamber, 2nd Flr,
111/3, KH Rd,
Bangalore – 560027
Ph : 2225495/2240018/2240242
Fax : 2233474
Complast X421 IC – an integral waterproofing liquid admixture for concrete and mortar; Conplast WP90 – integral waterproofing powder additive for concrete and mortar; Conbex 100 – plasticised expanding grout mixture; Renderoc Plug – Rapid setting mortar for leak – plugging in running water; Nitocote SN522 – ready to use colourless silicone water repellent; Brushbond – Acrylic polymer modified cementitious coating for concrete and masonry surfaces; Brushbond RFX – Elastomeric cementitious waterproofing coating, Nitoproof 100/120 – Bituminous waterproofing coating, liquid primer, fibre reinforced coating and mastic; and Nitocote CR – Chlorinates rubber based single component protective coating.

Sufra Coats Pvt. Ltd.
358, III Block,
Rajajinagar,
Bangalore – 560010
Ph : 3353109/1195, Fax : 3354718
Bison Shelter System (P) Ltd.
35/984, Meenakshi Bldg.
Jantha Jn, Palarivattom
Kochi – 682025
Ph : 344001/2941 Fax : 348573

Waterproofing membranes, chemicals
unifix polysterne aggregated concrete,
building and structural elements, LW
blocks, silicone coatings, concrete
innovation materials.

Swaraj Paint Inds
POB 909, West Hill,
Calicut – 673005,
Ph : 75383/ 62938

Bituseal leakstop compounds, reinforced
bitumen paste for cold application to RCC
slabs.

Travancore Cements Ltd.
PO Nattakom
Kottyam – 686013
Ph : 561371/72/73
Fax : 565354

White Cement, Cement paint, Concrete
hardener and waterproofing compound.