



Elephant Shield's  
**Liquid Rubber**<sup>®</sup>

***think***  
*beyond limit*

High Performance Coating for



**WATERPROOFING**



**CORROSION CONTROL**



**CHEMICAL PROTECTION**

USA • CANADA • UK  
EUROPE • AUSTRALIA

**NOW IN  
INDIA**



# INCREDIBLE FEATURES for Most Challenging Architectural Design and Industrial Process Needs



## OUR SOLUTIONS ARE WARRANTED FOR



**10 YEARS  
WARRANTY**



**15 YEARS  
WARRANTY**



**20 YEARS  
WARRANTY**

**Liquid is the only choice when Performance is on Priority**

### Stretch Ability Of

#### Over 950% With 95% Recovery

Withstand surface compaction, expansion and shifting without becoming Cracked and Strained



### Easy Application

Single Component, Ready to use, Direct Application,  
No Fire Torch, No Blanding  
Cold Applied By Brush, Squeegee Or Spray Equipment  
Minimum Surface Preparation  
Curing In Ambient Condition  
Anybody can apply – Just Like paint  
No Special Safety equipment required

### 20 Year + UV Stable

Will Not Deteriorate With Weather cycle



### Save Time and Money

Save Money spent on labour  
Save time by fast and easy application

### Apply Directly on almost any surface

Concrete, Metal , Foam Wood , Stone , Tile  
Rubber Lining , Fibre / Cement / GI / FRP Sheet,  
China Mosaic And Many More  
\* No primer required



### Compatible with 200+ Inorganic Chemicals 1000 Hr Salt Fog Corrosion Passed

Used as Corrosion control & Rubber lining  
of Various Chemical storage Tank  
Applicable in offshore Application  
Detail Chemical Resistance Test Report Available

### Non-toxic, Odour Less, V.O.C Free

Follow all Green Product Regulation  
Applicable in indoor Application also

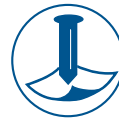


### Any application in Waterproofing, Corrosion control and Chemical Protection

of large infrastructure, Shed, workshop ,  
chemical Process plant , residential town ship ect

### Eco-friendly, Water Based

Applicable in dairy, Pharma,  
Food processing industries Etc.



### High Impact and Puncture Resistance and Self-healing If Punctured

### Comfortable With standing Water

Can apply in Pond and Tank Application



### Unmatched performance in India market

Unaffected by Standing Water  
Unaffected by Chemical Storage  
20 + Year UV stabilised  
Food Grade Approved  
Performing all over world since 2001  
Limitless application area  
All with one product

Unique Combination Of Robust Performance And Easy Application

# APPLICATION - *beyond limit*

CIVIL

Hospital, Mall, Large infrastructure, Bridges, Decks, Tunnels, Viaducts, Tanks, Retaining Walls, Portals, Technical Areas, Concrete Pipes, Canals



INDUSTRIAL

Industrial Roofs, Rain Drainage, Piping Systems, Foundations, Chemical Processing Tanks, Chemical Storage Tanks, Processing Floors, Metal Constructions, Warehouses



RESIDENTIAL

Township, Roofing repair, constructions, Foundations, Gutters, Fencing, Retaining walls, Parking decks, Cellars, Tilework in wet areas(bathrooms & showers) Swimming pools, Ponds



AGRICULTURAL

Irrigation systems, Manure silos, Greenhouses, Digesters, Ponds, Planters, Retaining Wall Construction, Water Storage Facilities



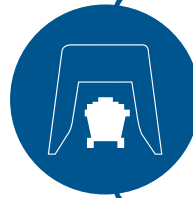
MARINE

Shipping Containers, Drilling Platforms, Hulls & Deck Cargo Compartments, Gangways, Ship Lamps, Chemical Processing Tanks, Chemical Storage Tanks, Beacons & Buoys, Buffers, mooring



MINING

Damp, Underground, Building/Construction, Processing Tanks, Metal Constructions Roof Construction, Warehouses, Processing Floors, Water / Chemical Utility circulation tank

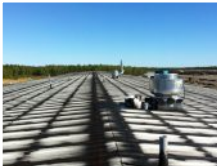


## Right Fit for common application in Industries of

Chemical, Steel, Pharma, Dairy, Food, Engineering Companies  
Civil Construction including, Hospitals, Hotel, Malls, Township, residential projects Etc.....



RCC Slab Joint



Steel Roof Joint



RCC Crack Repair



RCC Roof



Foundation



Rust Control



China Mozek



Chemical Storage



Mining



Marine



Automotive



Landscaping



Agricultural

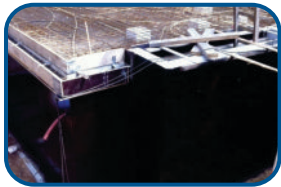
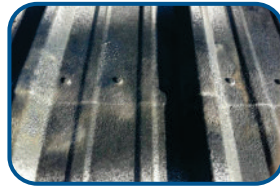


Offshore

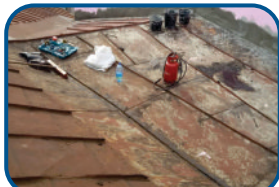
*think beyond limit* of Architectural design



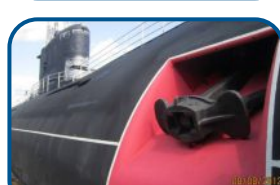
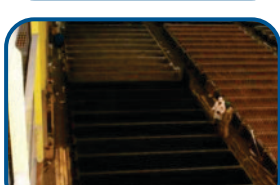
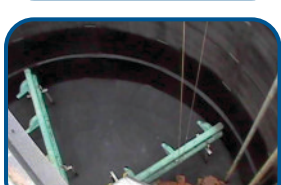
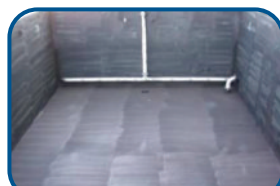
## WATERPROOFING



## CORROSION CONTROL



## CHEMICAL PROTECTION



*think* beyond limit of Traditional Engineering coatings

# Application in 3 Easy Step

## 1. CLEAN IT



No Oil

No Dust

No dirt

No debris

No solvents

No algae

No Rust

No Flake

Must Dry

It's very important that your roof/ substruct is dry, free of all dust, dirt, debris, oil, solvents and other material that may adversely affect Elephant shield-Liquid Rubber® adhesion

## 2. PREP IT



Make sure you do have Brush/Roller, Liquid Rubber & Nonwoven/Cotton cloth strip gathered at one place, so that you don't have to find them while applying Liquid Rubber



## 3. COAT IT



Use the 4 course method with Liquid Rubber ®

- First Coat of Liquid Rubber
- For the Larger Gaps, Cracks or Porous Surface Apply Reinforcing fabrics Nonwoven or Cotton Cloth Strip (30 to 40 GSM)
- Second Coat of Liquid Rubber ®
- Repeat application on remaining area till desire thickness archive and its DONE !



**SPECIALLY DESIGNED SPRY SYSTEM**  
also available for large scale site



### COVERAGE

Micron	Mils	Ft 2 / Liter	Mtr2/Liter
600	24	13.22	1.23
800	31	9.91	0.92
1000	39	7.93	0.74
1500	59	5.29	0.49
2000	79	3.97	0.37
3000	118	2.64	0.25

### TOP COAT COMPATIBILITY

Elephant Shield - Liquid Rubber is high Performance Water proofing, Corrosion control and chemical protection Compound that comes in Black colour It not serve any decorative and aesthetic purpose  
Buyer can apply any water based white or coloured top coat made of acrylic, ceramics or Chalk paint.  
Buyer can also apply tiles or white cement above Elephant Shield Liquid rubber Coat

### PACKAGING



1 Ltr., 5 Ltr.,  
10 Ltr., 205 Ltr.

**Liquid Rubber Form Fully Adhere Seamless Rubberized membrane when cured**

## Peromance test Result of ELEPHANT SHIELD – LIQUID RUBBER

Property	Typical results
Colour Black	Black
Specific gravity (g/cm3)	Approximately 1.0
PH	10 to 12
Chemical resistance ( ASTM G 20)	Resistant to most inorganic solutions.
Accelerated Weathering ( Xenon ARC) AS Per Below	> 90% Retention of Original Tensile Strength
Tensile Strength ASTM D 412 (%)	>830 ( >120)
Elongation (%)	> 950%
Recovery ( ASTM D 412) (%)	> 95%
Adhesion to Concrete DeFelsco, kPa ( PSI)	>900 (> 130), Cohesive Failure
Low Temprrecture mandrel -10° C	Passed
Hardness Durometer - 00	83 - 85
Hardness Shore - A	18 - 20
Hardness Shore - D	3 - 4

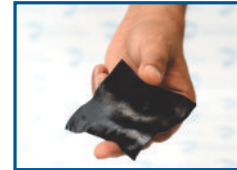
## List of Few compatible Chemical with ELEPHANT SHIELD LIQUID RUBBER

Alcohol, Aluminium Chloride or Sulphate, Ammonium Hydroxide < 10%\*, Ammonium Chloride, Ammonium Sulphate, Boric Acid, Barium, Brine, Butane, Butyl Alcohol, Calcium Carbonate, Calcium Chloride < 50%, Calcium Nitrate or Sulphate, Calcium Hydroxide (Lime), Citric Acid\*, Carbon Dioxide, Coppers (All), Corn Syrup < 50%, Cottonseed Oil, Glucose, Gluten\*, Helium, HydrochloricAcid < 31 %, Hydrogen peroxide < 10%\*, Iron (Ferrous - All), Iron Carbonate, Iron Hydroxide, Lime Caustic, Lye, Magnesium (All), Nickel (All), Paraffin, Phosphoric Acid < 50 %, Potassium Chloride, Potassium Citrate, Potassium Hydroxide < 45%, Potassium Sulphate, Salt Water / Sea Water, Sodium Bisulphite, Sodium Bromide, Sodium Carbonate, Sodium Chloride < 50%, Sodium Nitrate, Sucrose, Sulfuric Acid < 40%, Sodium Hydroxide < 1 %, Tallow, Tannic Acid, Tin Chloride,Urea, Vaseline, Vinegar, Zinc

**Ask Detail Test Report**



Elongation > 950%



Recovery 95%



Puncture Resistance

## Accelerated UV Exposure Testing as Per ASTM G155: UV index of 24 to 25

Test Sample Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Liquid Rubber Without Top Coat : 95mils or 2.41mm	No Degradation			No Degradation				-1% Deteriorate 2.39 mm	-1% Deteriorate 2.34 mm	-1.2% Deteriorate 2.31 mm
Note	UV index maintain in weather accelerator is 24 to 25 Rain fall is 15 mm per 5 day cycle.							In INDIA Highest UV Index reported is 12 to 13		

Above value may vary as per application method & site condition. The information provided in good faith. COPEMAN management accepts no liability for misuse of products or information

## Liquid Rubber unaffected by standing water and Most chemicals



Elephant Shield's  
**Liquid Rubber®**

*think  
beyond limit*

Revolutionary product Liquid Rubber allow freedom to  
*think beyond limit of*

**WATERPROOFING, CORROSION CONTROL & CHEMICAL PROTECTION**

challenges in architecture design and industrial processes needs in true sense



**QUICK  
SUPPORT**



**Quick Scan  
& Download**



**Whatsaapp "Hi" on +91 9226776556**

For Application Demo Video



**Email to Get Technical Support**

**cs@elephantshield.com**



Tech-Paper



Demo Video - 1



Demo Video - 2

**For any Specific project need , Bulk Order  
Become Dealer & Authorised Applicator Contact below.**

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