



Total Waterproofing Solution



A Step Ahead
in Protection



SK Formulations
(An ISO 9001-2000 Certified Company)

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Promoters

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About Us

SK Formulations is an innovative Endeavour by technocrats in the field of polymer science & technology. We are engaged in developing and manufacturing polymeric based specialty surface coatings for various industrial applications.

We are an ISO certified company and all our products are unique in their own class. Our technology offers techno-commercial benefits and aids in energy conservation. The technology has received numerous national and international awards for its technical excellence.

The performance of all the products has been certified by renowned laboratories, institutes and industries and appreciated worldwide.

A state of art manufacturing facility is situated near Mumbai and is well equipped with an excellent quality control and R&D set-up to ensure the performance for high end applications.



Vision

To build an
'Ethical Business organization'
with
'High Technical Competency'
and deep
'Concern for Society'

Mission

SK Formulations is passionately committed to develop high value, cutting-edge, innovative polymer technologies to fulfill customers' needs and expectations in all spheres of industries like Defense, Power & Energy, Engineering, Infrastructure etc.

We shall continuously orient our research efforts to create a significant and lasting impact on mankind.



Aquashield SK-22 Waterproofing Coating for Exterior Wall

Water Repellent protective coating having good UV Resistant and Anti Fungal properties available in all desired colour shades.



Aquaproof SK-02 Waterproofing Coating for Slab / Terrace / Toilet Blocks

Single pack system with Excellent Water Repellency & abrasion resistance. Ideal for sabs, toilet block & sinks.



Aquaseal SK-04 Waterproofing Crack Filling Sealant

Single pack, ready to use, flexible crack filling sealant.



PMT (Polymer Membrane Technology) Terrace & Sloping Roofs

Advanced polymer membrane technology for waterproofing treatment for new structures.



Heatseal SK-11 Terraces & Exterior Walls

Heat Insulation coatings to protect concrete and metal structures from scorching heat and saves electricity consumption.



Aquapack SK Expansion Joint Techniques

Unique system comprising of high performance grafted Co-Polymer & Polymer Foam for Vertical & Horizontal Expansion Joints.



Aquashield SK-22

Polymeric based water repellent coating for exterior walls

'Aquashield SK-22' is a unique Product Developed & Manufactured by SK Formulations. It is 'Protective & Decorative' coating for Exterior Wall to Protect the structure from Leakages & Seepages during monsoon and enhances the aesthetical outlook of the structure.

CHEMICAL COMPOSITION

Grafted Copolymer

COLOUR

As Desired

FEATURES

- Excellent Water Repellency.
- Excellent resistance to U.V. Radiation.
- Resistance to Algae, Moss & Fungus.
- Excellent Colour Retention.
- Penetrating and Breathable.
- Tough & Scratch-proof.
- Excellent brightness and finish.
- Enhances cooling effect.
- Resistance to Fire.

ADVANTAGES

- (Offers unique FOUR IN ONE advantage).
- Prevents leakage / seepage completely.**
 - Enhances life of structure by virtue of Excellent Water Repellant properties of polymer coating.
 - Prevents Algae, Moss and Fungus formation keeps the buildings neat & clean for longer period of time.
 - Adds aesthetical out look to structure with variety of Colour Shades.

MODE OF ACTION

During application, polymer solution travels into the surface, occupies all the cavities, hairline cracks & on solidification forms polymer crystals. These crystals seal every path of water & make the entire surface waterproof.

It is important to note that the polymer coat does not form any film or layer over the surface but gets absorbed & bcomes the integral part of the surface with no Peel-off tendency.

COVERAGE

40 to 45 sqft. Per Litre (Single Coat) #

PACK SIZE

1 Ltr./5 Ltrs./ 30 Ltrs. Containers

* Not applicable to some specified shades.

** Subject to application as per standard procedure.

Subject to surface condition & application by proper trained labour
Don't Apply on wet Surface.

Benefits

1. **Protection With Beautification:**
 - Protects building exteriors from Heat, UV Radiation (Sunlight), water and enhances life of building.
 - Adds aesthetical outlook with variety of colour shades
2. **Excellent Resistance to Moss & Fungus:**

A unique polymer formulation avoids formation of black spots, fungus & Algae.

Offers excellent resistance to sea water & salty atmosphere.
3. **Excellent Brightness & Finish :**

Advance polymer structure helps to retain the finish for longer duration.

No deterioration caused to polymer due to sunlight or atmospheric pollutants.

Aquashield SK-22

Comparison Chart

Sr. No.	Parameters	Acrylic Emulsion	AQUASHIELD
1.	Type	Acrylic Emulsion+Filters+Cement	Grafted Co-Polymer
2.	Base	Water Based	Solven Based
3.	% of polymer in system	15% - 20%	45-50%
4.	Mixing before Application	Water to be mised in specified proportion	Ready to use. No need of mixing.
5.	Colour shade	Variety of shades available	Variety of shades available
6.	Adulteration possibilities	Possible with water	Not possible
7.	Finish	Bright Matt	Bright, fresh with light gloss (sheen)
8.	Water Repellency	Excellent	Excellent
9.	U.V. Stability	Good	Excellent
10.	Finish Retention	Becomes dull with time.	Excellent. No deterioration in brightness & finish
11.	Aesthetical Outlook	Chances of black spot formation after 2 years	No Algae, Fungus and Moss formation
12.	Cost Effectiveness	Only for decorative painting. No guarantee for waterproofing.	Waterproofing, Painting & building protection
13.	Maintenance Cost	Maintenance required	No Maintenance Cost



Aquaproof SK-02

Polymeric based waterproof coating
for newly constructed slabs.

'Aquaproof SK-02' is a UNIQUE Product Developed & Manufactured by SK Formulations to Prevent the leakages & Seepages from the upper slab of Toilet / Bathroom / Washing Area & Terrace slab.

Benefits

1. Completely seals every passage of water by getting absorbed into structure.
2. No damage to coating during other construction activities.
3. Prolonged waterproofing effect is achieved due to strong polymer structure.

Aquaproof SK-02

Aquaproof SK-02

FUNCTION

Single component, air drying, waterproofing coating for Horizontal surfaces like Terrace slabs, Toilet Blocks, Bathrooms & Washing Area.

CHEM. COMPOSITION

Grafted Co-polymer

COLOUR

Light Grey

FEATURES

- Excellent Water Repellency.
- Excellent Abrasion Resistance.
- No Peel-Off tendency.
- Tough & Scratch proof.
- Resistance to Fire.

MODE OF ACTION

During application, polymer solution travels into the surface, occupies all the cavities, hairline cracks & on solidification forms polymer crystals. These crystals seal every path of water & make the entire surface waterproof. It is important to note the polymer coat does not form any film or layer over the surface but get absorbed & becomes the integral part of the surface with no Peel Off tendency.

COVERAGE

40-45 SFT per Liter (Single Coat) *

PACK SIZE

1 Ltr./5 Ltrs./ 30 Ltrs. Containers

* Subject to surface condition & application by proper trained labour
Don't Apply on wet Surface.

Comparison Chart

Sr. No.	Parameters	Polyurethane	Aquaproof SK-02
1.	Base	Thermosetting Polymer	Thermosetting Co-polymer
2.	System	Two Pack	Single Pack
3.	Mixing	Mixing of two components is very critical	Ready to use system
4.	Necessity of Primer	Primer necessary	Self priming coating (no need of primer application)
5.	Drying period	72-96 hours	30 Min drying at room temperature
6.	Chemical resistance	Good chemical resistance	Excellent acid, Alkali, Chemical resistance
7.	U.V. Resistance	Fair	Excellent
8.	Thermal Stability	Fair	Stable up to 200 deg. Cent.
9.	Breathing Properties	Poor	Self Breathing properties
10.	Application Method	Critical Process. Calls for Human Skill.	Easy Application. No special skills required.
11.	Rework Possibilities	Touch-up or rework at damaged areas not possible. Over coating not possible.	Touch-up or Rework possible on cured film. Over coating on dried film possible.
12.	Screed Requirement	Sand Sprinkling on tacky surface is msut to before cement concrete	Concreting can be done directly on dried film of Aquaproof.
13.	Additional Features		Resistance to Fire Heat Resistance - enhances efficiency of airconditioners resulting in to electricity savings.



PMT

Polymer Membrane Technology

For Slab / Terrace / Sloping Roofs

Polymer Membrane Technology (PMT) is an advanced form of waterproofing treatment for slab, terrace & sloping roofs of old structures.

Membrane is a special type of flexible fabric having specific grain structure with high polymer absorbing characteristic. The complete soaking of polymer in flexible membrane ensures excellent adhesion with substrate and adds strength to the membrane. Flexibility of membrane absorbs expansion / contraction of concrete surface without breaking away from substrate.

Benefits

1. Enhances cooling effect.
2. No restriction on usage of treated surface.
3. Economical & effective than conventional waterproofing systems.

PMT

Polymer Membrane Technology

FUNCTION

Long lasting waterproofing treatment for Terraces & Sloping Roof of old structures.

COMPOSITION

Grafted Co-polymer coating + Reinforcing Membrane

COLOUR

Light Grey

FEATURES

- Excellent Strength & Flexibility.
- Excellent resistance to U.V. Radiation.
- Excellent Tear Resistance.
- Anti skid.
- Tough & Scratch proof

ADVANTAGES

- Non destructive process (No damage to structure & no change in original structure)
- No increase in weight; safe for structure.
- Curing not required after application.
- Ready to use system. (Minimum scope for human error)
- Quick and convenient process.

MODE OF ACTION

The polymer reinforced membrane does not allow water to pass through and its flexibility confirms the resilience against expansion & contraction of the concrete surface without failure.

COVERAGE

Polymer Coating - 30 35 Sft. (Single Coat) *
Membrane 12 14 sft / Mtrs.

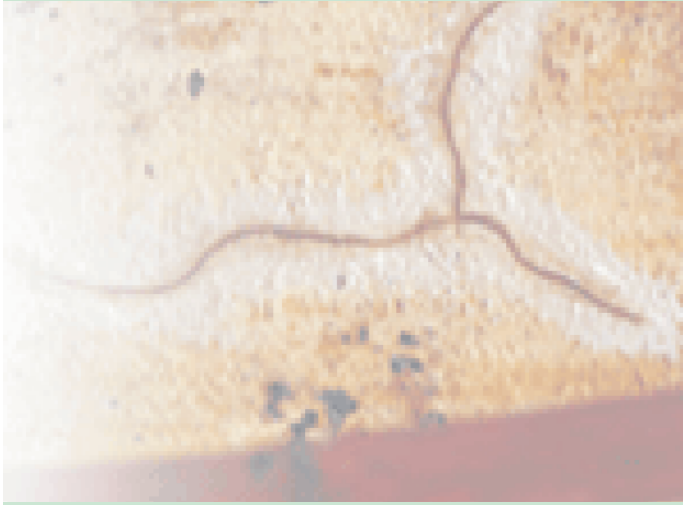
PACK SIZE

Polymer Coating - 1 Ltr./5 Ltrs./ 30 Ltrs. Containers

Subject to surface condition & apply by proper trained labour & apply as per standard procedure
Don't Apply on wet Surface.

Comparison Chart

Sr. No.	BRICKBAT KOBA / PLASTERING	POLYMER MEMBRANE TECHNOLOGY
1.	Non-polymeric, civil based systems.	Polymeric based system
2.	Highly destructive.	Non destructive
3.	Heavy vibration due to breaking of existing koba results in formation of new cracks in sidewalls and slabs.	No damage to other structure during procedure.
4.	Numbers of ingredients are required in specified procedure with critical pre & post treatments.	Single pack system (Polymer Coating) No need of mixing on site, hence operational friendly.
5.	Number of quality governing factors such as: Quality of sand - Sand & cement ratio - Quality of Bricks - Laying pattern - Curing	Simple application procedure with minimum chance of human errors
6.	Mode of Action: Bricks absorb the water before reaching to the slab.	Mode of Action: Flexible Polymer membrane is effective in absorbing expansion / contraction
7.	Performance totally depends on human skill and material as well.	Guarantee of performance is backed by advanced Polymer Technology.



Aquaseal SK-04

Polymeric based waterproof sealant for Concrete Structures

'AQUASEAL SK 04' is Crack Filling Sealant for Exterior Wall & Terrace Surface having good Strength & Flexibility.



Aquapack SK-08

Expansion Joint Technique

Aquapack SK-08 offers a Unique system comprising of high performance grafted Co-Polymer & Polymer Foam for Vertical & Horizontal Expansion Joints.

- FUNCTION
- CHEM. COMP.
- COLOUR
- FORM
- FEATURES
- MODE OF ACTION
- COVERAGE
- PACK SIZE

FUNCTION	Single component, Crack filling sealant for waterproofing systems.
CHEM. COMP.	Polymers & Specialty Fillers.
COLOUR	Off White
FORM	Easy to Handle
FEATURES	<ul style="list-style-type: none"> ■ Excellent Strength. ■ Excellent Flexibility. ■ Excellent resistance to U.V. Radiation. ■ Excellent Cracking Resistance. ■ No peel-off tendency. ■ Tough & Scratch proof.
MODE OF ACTION	During application, polymer sealant shrinks in the crack and completely seals every passage of water. It effectively absorbs expansion & contraction without cracking due to its excellent flexibility & resilient properties.
COVERAGE	20 Running Meters per Kg *
PACK SIZE	1 Kg./ 5 Kgs. Containers

- Benefits**
1. Effectively seals leakages through cracks on long term basis.
 2. Quick Setting properties
 3. Easy to apply ; Single pack system; No mixing operation.
 4. Absorbs expansion / contraction without cracking due to excellent flexible properties.

Subject to surface condition & apply by proper trained labour & Apply as per standard procedure Don't Apply on wet Surface.

- FUNCTION
- CHEM. COMP.
- FEATURES
- ADVANTAGES

FUNCTION	Expansion Joint System for Vertical & Horizontal Surface.
CHEM. COMP.	<ul style="list-style-type: none"> ■ Polymer Foam ■ Polymer Primer ■ Polymer Sealant ■ Reinforcing Flexible Membrane
FEATURES	<ul style="list-style-type: none"> ■ Excellent Expansion Contraction property. ■ Excellent resistance to U.V. Radiation. ■ Excellent Water Repellency. ■ Easy Application. ■ Excellent Scratch & Abrasion Resistance.
ADVANTAGES	<ul style="list-style-type: none"> ■ Prevent Leakage & Seepage completely. ■ Quick & Easy process.

- Benefits**
1. Three way protection of joint using EP Foam, Polymeric based Sealant & Reinforcing Membrane.
 2. Easy to apply with long lasting durability.
 3. Quick & Convenient

#Subject to surface condition & application by proper trained labour & as per standard procedure. Don't Apply on wet Surface.



HeatsealSK-11

Heat Insulations Coating for Exterior Wall & Terrace

HEATSEAL SK-11 offers a Unique system comprising of high performance grafted co-polymer. It offers heat insulation by blocking the source of heat by conduction & convection rather than by reflection only. The Unique formulation dries within 10-15 minutes to an extremely tough durable, UV stable & water resistant coating. HEATSEAL SK-11 provides flexibility against stresses of contraction & expansion.

FUNCTION	Heat Insulation coating for Concrete & Metal Structure to keep the Interior cool in scorching heat & saves electricity consumption. (Energy Conservation)
CHEM. COMPOSITION	Grafted Co-polymer
COLOUR	White
FEATURES	<ul style="list-style-type: none"> ■ Excellent Heat Insulation Properties. ■ Excellent Water Repellency. ■ Excellent Resistance to U.V. Radiation. ■ Excellent Resistance to Moss & Fungus. ■ Easy to Apply. ■ Excellent Resistance to Corrosion & Chemical Attack. ■ Excellent Scratch & Abrasion Resistance ■ Resistance to Fire.
ADVANTAGES	<ul style="list-style-type: none"> ■ Energy Conservation & reduction in electricity consumption. ■ Enhances cooling effect in Summer. ■ No increase in weight; safe for structure. ■ Provides Waterproofing properties to the structure. ***
COVERAGE	Polymer Coating - 45 50 Sft. (Single Coat) *
PACK SIZE	Polymer Coating - 1 Ltr./5 Ltrs./ 30 Ltrs. Containers

Benefits

- Prevents heat to penetrate from the polymer matrices resulting into
1. Cool interiors
 2. In case of fully air-conditioned structures, efficiency of AC increases as no heat penetrates resulting into reduction in electricity bill & leads to energy conservation

*** Additional Feature Subject to surface condition & application by proper trained labour & as per standard procedure. Don't Apply on wet Surface.



Other Products

Electric Insulation Coating

An electric Insulation coating for Electrical Applications

Unique Features

- High Electric Strength 55 kv/mm
- Excellent puncture Resistance
- Stable up to 200°C
- Easy application by conventional brush or spray technique.

Applications

- Ideal replacement of Sleeves on busbar in Control panels
- To prevent electricity theft in rural & urban areas.
- To avoid Bird Faults at electric pole junction.
- To avert accidental deaths of animals & human beings caused due to electric shocks.

Anticorrosion Coating

A protective industrial coating to prevent corrosion of metals in varied climatic conditions.

Unique Features

- Single pack : ready to use system No mixing operation
- Quick Drying at Room Temperature ; No Oven baking
- Self priming System; No need to apply primer

Benefits

- Saves Time
- Saves Labor
- Saves Energy
- Saves Cost

Applications

Protective coating for : Structures, Equipments, Motors, Pumps, Pipelines, Transformers, Control Panels, Porta Cabins , Material handling equipments etc.

Also Available protective coatings for

- Fins in HVAC application
- High Heat resistant applications
- Heat insulation to achieve energy saving

Cost-effective replacement for PU Coating, Epoxy Coating & Powder Coating.

National Award



Jewel of TSSIA Award

- National Award & Certificate of Excellence.
- Technology awarded as 'Best Product Developed by an Indian' in an international Exhibition Elecrama 2006.
- 'Jewel of TSSIA', an award given by Industrial Association as the most progressive industry in SSI category.
- Selected by Government of India to Represent Indian delegation to Italy to explore the possibilities of Technology Transfer between two countries.
- ISO 9001-2000 certification for Development, Manufacturing and Application of polymeric based surface coatings.



Best Product Development Award

