

Dr. Miracle

[Tested as per IS: 2645-2003]

for WATERPROOFING & REHABILITATION OF DISTRESSED RCC. & other STRUCTURES
TAILOR MADE SPECIALITY GROUTS for Injection grouting, Waterproofing, Leak Sealing etc.

Used/Approved by JES/DRDO/DIR/CH/HS/NSG

Dr. Miracle WAC: Waterproofing, Anticorrosive & Strength Augmentation Grouts.

Dr. Miracle SS: Waterproofing & Strength Augmentation grouts.

Dr. Miracle RTF: Waterproofing, Anticorrosive & Strength Augmentation Expansive Grouts.

Dr. Miracle Micro Concrete

Description

Dr. Miracle Micro Concrete is a ready to use dry powder which requires only addition of clean water at site produce a free flowing repair micro concrete. It is composed of good quality cement, properly selected aggregates & additives. It is used & designed for repairing of damaged reinforced concrete elements like columns, beams & structure where the areas are restricted or not easily accessible for proper placement of concrete using vibrator. Dr. Miracle Micro Concrete has excellent flow ability, workability & proper particle size to reach small & congested reinforcement.

Areas of Application

- Repair of damaged reinforced concrete elements like beams, Columns, walls, etc. where access is restricted and compaction is not possible.
- Waterproofing corrosion protect, Strength augmentation, soil structure rehabilitation.

Features & Benefits

- Pump able - Can be pumped or poured into confined locations.
- Flow able - Flow able mortar hence does not require compaction.
- Shrinkage compensation - Contains expansion system which compensates for shrinkage and settlement in the plastic state.
- Strength - Develops high initial and ultimate compressive strength.
- Moisture resistant - Offers excellent resistance to moisture ingress.
- Durability - Makes repaired sections highly durable & compatible to parent concrete.
- Thickness build up - Can be applied at 100 mm thickness at one stroke.
- Chloride content - Contains no chloride based additives so prevents corrosion of reinforcement.
- Early reinforcement - Rapid strength gain helps in early reinstatement & removal of shoring.

Method of Application: As per site requirements.



Aayka Waterproofer Pvt. Ltd.

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ABOUT US

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SUPREME AQUASHIELDS®

Waterproofing Membrane

A Non Bitumen, Non- Bio Degradable Synthetic
(the only product with crack bridging capacity>3mm)

TESTED AS PER IS 7941 : 1976
Application code : IS7290

TECHNICAL SPECIFICATIONS

Size : LENGTH : 100, 50.20 Rmt
Width: 1 Mtr. Rmt
Weight: 70-90 GSM
WATER REPELLENCY 100%
ELONGATION at Break 70 to 107%
Thermal Conductivity 0.025 K.Cal/ M.Hr.° C
Chemical Resistance: Resistant
Temperature Workability Range: (-40-110° C
Specifications Subject to change

ADVANTAGES

- 1.Elasticity: The only membrane with crack bridging capacity > 3mm due to 3 layered constitutions.
- 2.Weight: Light weight, 220 to 250 GSM/ Sq.m.
- 3.Water Proofness: 100% 70-90
- 4.UV Stability: The most stable among membranes.
- 5.Life: 20 to 30 years. (Already Delivered 23 years SPOTLESS).
- 6.Chemical Resistance: Resistant to almost all chemicals.
- 7.Insulation: K Value same as of fibreglass etc.
- 8.Non-bio Degradable: The replacement every 3 to 5 years not requires.
- 9.Lowest Payback (cost per year) : The Average cost of water proofing cim insulation treatments are 2-3 times expensive, as compared to over systems. Also, the life of our systems area 2-3 times longer. Therefore, **AQUA SHEILDS** systems are logically the most **ECONOMICAL** option.

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ESKOO®

ESKOO® [Tested as per IS: 15489-2004]

Approved/used by:
MES, CPWD, NSG, Axis House,
Birla House, Bhartiya House &
Housing societies etc.

ROOF: Cooling Comfort... COOL in HOT Summer!... & Warm in Cold Winters
FOR GREENING BUILDING TO ACHIEVE OPTIMUM ENERGY EFFICIENCY AND THEREBY SAVING SUBSTANTIAL
EXPENSES ON ELECTRICITY.
Warmer interiors at high altitude when painted inside: A BOON FOR OUR SOLDIERS

WATER TANKS: SAFE WATER

Towards Energy Efficiency
New regulation on the energy performance of buildings and the global challenge, from local, state,
national and international communities alike, a united call for action on energy-conserving building
practices is growing stronger by the day. A huge variety of programs promoting sustainable
Development are also being implemented in the Asia –Pacific region.
In India, under the mandate of the energy conservation Act 2001, the Bureau of energy Efficiency is
implementing various programs to provide momentum to the energy efficiency movement in the
country.

The ESKOO® Energy System

The surface of sun (estimated temperature of 5500 degrees) emits electromagnetic waves of lengths
ranging from 300nm to 2500nm: Ultra Violet (UV), the normal sunlight and Solar infrared rays.
Heat transfer takes place from the roof, western and southern walls of the building due to the move
heat generated by solar radiation.
Depending on the properties of the roof material and construction, the roof reflects part of the solar
Radiation back to the environment, and absorbs the remaining part of the heat in the roof. Part of the
absorbed heat in the roof is emitted as long-wave radiation back to the environment and the
remaining part of the absorbed heat is conducted inside the building.
This process is governed by the solar reflectance and emissivity properties of roof materials (on the
over deck part) and the thermal conductivity of the materials used on the roof.

Energy conservation for a greener planet

With the gap between the power supply and the peak load demand increasing in the Indian context,
the need for energy efficient solutions is being felt more than ever before. Coupled with increasing
energy costs, the end costs to the consumers of electricity are increasing at an alarming late.
Application
The ESKOO® energy savings systems are simple to use. It has to be applied as per the manufacturer's
specification and can be easily applied with a brush/roller spray or sprayed.
Durability
The adhesion, life expectancy and performance will vary from place, type of substrates and local
climatic factors.

ESKOO® Benefits

1. COOL YOUR HOUSE--SAVE ENERGY BILLS
Construction solutions and Energy Efficient materials are more cost –effective than conventional
insulating systems and materials, and have a much higher insulation capacity. So, thanks to products
like ESKOO® houses stay cooler in the summer and dissipate less energy.
Saving on emissions means saving on bills and vice versa, i.e. saving heating costs and winters

2. Water Tanks [PVC-Sintex type]

The water in the tanks becomes cooler in summer / warmer in winters.

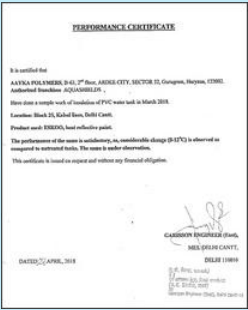
THE POSSIBLE HARMFUL EFFECTS OF HOT WATER IN TANKS ABOVE 40°

- Prolonged exposure releases toxins
- Bad odor in boiling water – causes irreversible damage to skin and health
- Asthma, cardiovascular, cancer, reproductive irregularities in women, etc.

*As on Google

Benefits

- Safe from UV/IR radiations
- Odorless
- Cool water upto 6-12°C even in hot summers
- Comparatively warm in winters/cold areas-as in snow clad mountain facilities
- Longer life of tank
- Enhance appearance



3. Interior walls and ceilings painted with ESKOO® have shown to contribute to energy savings of 20% and more. It was further noted that conventional insulation materials like fiberglass, cellulose, rock wool, XPS, EPS and Styrofoam, no matter how thick, have almost no ability to block radiant heat energy which can account for as much as 90% of summer heat gain and up to 73% winter heat loss in conventional structures, ESKOO® blocks radiant heat and is a simple and affordable solution to high energy costs.
INDIRECTLY AUGMENTING AIR CONDITIONING CAPACITY BY 25% to 35%

4. Can be used for commercial, residential and industrial applications

5. Reduces condensation.

6. Potential immediate Relief (Benefit): Cooling of areas requiring additional cooling/Air-conditioned. Thereby saving cost of additional Air-conditioning.

7. Low application coats, long term cost reduction.

8. Aids in ACOUSTICS.

9. Improved energy efficiency all year round.

10. Can be applied on any paintable surface like metal, concrete, asbestos etc.

11. Can be used both on the exterior and interior surface.

12. Significant electricity savings. Upto 25% of total bills as per load.

13. Avoiding over heating of AC & other equipments (Heat Sensitivity): Super Conductivity.

14. Environmentally safe & non-toxic.

15. Easy to use bonding with minimal surface preparation.

16. Greatly reduced sub-roof temperature

APPLICATION:

1. Warehouses, workshops and garages
2. Hotels, dairies, stables, and farm houses
3. Industrial sheds, kennels and aviaries
4. Silos, metal tanks and canopies
5. Concrete pathways around temples, swimming pool decks and handrails
6. Exterior south /south west /west facing walls in buildings exposed to radiation
7. Overhead water tanks and pipelines that get heated.

TESTS

- SOLAR REFLECTIVITY -78±10%
- CHEMICAL RESISTANCE blistered only with strong acids
- THERMAL CONDUCTANCE-(017 W/m.K ASTM C-177

CALL US NOW & JOIN THE ESKOO REVOLUTION!

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