

**Elevate
Your
Strength**

KENUNIV™
SILICA • ADHESIVE • MORTAR • MICRO SILICA

ABOUT OUR COMPANY

KENUNIV is India's premier producer of high-purity Silica SiO_2 98%+, setting a new benchmark in the construction industry according to Indian standards. Core construction business founded in 1995 in Gujarat, **KENUNIV** commenced latter for value addition.

Our state-of-the-art, fully automated plant and willing to boast a capacity of 50,000 MT per month. We employ cutting-edge processes including mining, washing, scrubbing, screening, drying, magnetic separation, and advanced packaging systems with associates.

KENUNIV 's core vision is to provide durable, heat and water-resistant, and UV-protective construction materials at economical prices using innovative and eco-friendly technologies.

30+
Years of
Experiences
in
Construction
Company

OUR EXCELLENCE :

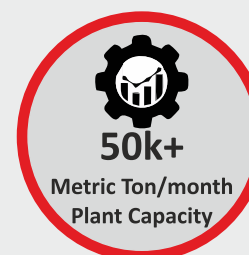
Traditionally, lignite/coal extraction often involves the removal of overburden – the top soil and vegetation covering the sand deposits. Our sustainable approach focuses on utilizing this overburden material in sand processing, mitigating environmental impact and optimizing resource utilization

BEST INFRASTRUCTURE

State-of-the-art machinery, proficient in-house laboratories, nurture alliances with eco friendly packaging and transport companies for quality and timely delivery of your shipments.

BEST PRICE & QUALITY

We supply silica sand and Adhesive materials of superior quality at very affordable rates.



ISO 9001:2015 CERTIFIED

Emphasizing on the quality of offered silica sand and bed material, we believe in making long term relationship with our customers.

Silica refers to a group of minerals composed of silicon and oxygen, with the chemical formula SiO_2 , made up of small grains or particles of minerals and rock fragments, predominantly contains quartz, a mineral composed of silica.

Reference Standard

- IS 3018:1977
- IS 1387:1967
- IS 1987:2002

Application of SILICA

- Construction materials
- AAC Block Production
- Industrial abrasives
- Filtration media
- Glass Industry
- Ceramics Industry
- Golf courses and sports fields
- Pigments
- Sandblasting and other abrasives
- Foundry sand
- Silicon and silicon carbide Industry
- Brick feeding material

Benefit of KenUniv SILICA

- **Efficiency:** Well-sized materials save up to 23% of other materials.
- **Durability:** High bonding and non-reactiveness minimize cracks, ensuring long-lasting plaster and reduced corrosion.
- **Coverage:** Precise sizing reduces plaster thickness, providing more coverage.
- **Smooth Finish:** Offers a much smoother surface finish compared to ordinary sand.
- **Energy Savings:** Heat resistance results in less heat absorption by walls and slabs, saving energy.
- **Minimal Waste:** Sorted material ensures zero wastage.
- **Strength:** Laboratory tests show at least 30% higher strength in all parameters.

Microscopy of Silica

Crystal Structure of SiO_2

Typical Chemical analysis of KenUniv Silica (SiO_2)

SiO_2	Al_2O_3	Fe_2O_3	TiO_2	CaO	MgO	Na_2O	K_2O	So_3	P_2O_5
97.66-98.70	0.27-2.11	0.18-4.37	0.01-1.03	0.06-0.87	0.04-0.41	0.02-0.11	0.01-0.05	0.01-0.20	0.02-0.03

Technical Information

pH	Above 7.8 pH (7.0 pH to 7.8 pH)
Soil Resistivity	Usual values: from 10 up to 1000 ($\Omega\text{-m}$)
Silica Melting point	1,700 °C
Silica boiling point	2,950 °C
Silica Moh's Scale Of Hardness	6 - 7
Bulk Density	$1.22 \times 10^3 \text{ Kg/m}^3$
Specific Gravity	2.65
Water absorption	0.1% to 0.15%
Specific electric conductivity	$\text{S/cm: } 10^{-14} - 10^{-16}$
Thermal Conductivity	$\text{W/mK: } 7.2 - 13.6$
Linear thermal expansion coefficient	$1/\text{K: } 14 \times 10^{-6}$
Clay Contain	>0.4 %
Compressive Strength 28 Days (pre-treated silica is the optimum composition)	48.8 N/mm^2
Fire Resistance	Non Flammable IS:11239

Particle Size for Dry-Mix

APS Micron	600 Grade	1200 Grade
1700 to 600	10% to 15%	50% to 65%
425 to 150	80% to 90%	30% to 40%
106 to 75	0.1% to 1.0%	0.1% to 1.0%

* Customised grade is available

Packing Size

- 40 kg Bag, 1000 Kg Cargo Bag, Loose Cargo for bulk supply also available.

KENUNIV Ready Mix Mortar is a high-quality, premixed Silica (SiO₂ 98%+) adhesive compound, ideal for both external and internal plastering. Suitable for manual or machine-based applications, it ensures consistent quality.

KENUNIV Ready Mix Mortar is a single-component, water-resistant, monolithic plastering / rendering mixture, combining pure silica, cement, and adhesive compound, designed for civil construction works. **KENUNIV** Ready Mix Mortar stands out for its superior quality, ease of use, and long-lasting protective features, making it an excellent choice for modern construction needs.

Reference Standard

- IS 1661:1972
- IS 2250:1965
- IS 2402:1963
- EN-12004 C1

Application of RM / NM

- **KENUNIV** Ready Mix Mortar is designed to protect walls from external UV rays, dampness, shocks, rain, humidity, fire, and sound, while also providing thermal insulation. It serves as a protective covering, ensuring long-term durability. **KENUNIV** Ready Mix Mortar is suitable for application on brick, concrete block, AAC block, fly ash block, and concrete surfaces.

Benefit of KenUniv - RM / NM

- **Structural Integrity:** Silica is a key structural component in construction products such as flooring, mortar, cement, roofing shingles, asphalt, and other industrial materials. It enhances durability and structural integrity.
- **High Purity:** Silica sand contains high levels of silica, ranging from 95% to 99%, unlike regular sand which may have impurities like clay, silt, or other minerals.
- **Easy Application:** The material is premixed, requiring only the addition of water on site, simplifying and accelerating the plastering process.
- **Minimal Cracks:** The silica-based compound provides ultimate strength and strong bonding, reducing shrinkage cracks due to accurately tested and mixed raw materials with specific particle size and quantity ratio.
- **Better Coverage:** The premixed formula ensures better spread and application.
- **Smooth Finish:** Excellent surface finish due to optimal particle size grading, maximizing wall plaster performance and reducing the need for additional wall putty and paint.
- **Eco-Friendly:** Contains no fly ash or slag

Directions for use



The surface should be free from oil, grease, paint, loose plaster or dirt particles



Dampen the wall before application of plaster



17% to 19% of water by weight of material



Stirring for 3 minutes till it's free of lumps



Leave the mix to react for 5-10 minutes before use



The mixture should be applied while the cement slurry is wet



After final coat, ensure proper leveling with the help of appropriate tools



Use between 5° C to 50° C



Curing 2 to 3 times a day for 7 days



Prevent direct contact with skin and eyes. In case of contact, wash with clean water immediately



Technical Information

Bulk density	1300-1450 Kg/m ³
Water powder ratio	17-19% by weight
Fresh Wet Density	1700-1800 Kg/m ³
Pot life	1.5 Hr @ 30° C
Compressive strength @ 7 Days Coverage	>8 N/mm ²
Compressive strength @ 28 Days Coverage	>13 N/mm ²
Thickness of layer	8 mm to 12 mm Layer
Water curing	2-3 times/Day for 7 days
Wastage	Almost Nil
Final finish	Smooth Finish
Initial Setting Time	1.5 to 2.0 Hr.
Final Setting Time	27 Days
Fly ash	Nil

Coverage Table for standard surface

Size of Bag	Thickness of Plaster	Area Coverage
40 kg	8mm	30 to 32 Sq. Feet
40 kg	10mm	20 to 21 Sq. Feet
40 kg	15mm	15 to 16 Sq. Feet
40 kg	18mm	12 to 17 Sq. Feet

Shelf Life

- It has a shelf life of 12 months from the date of manufacture. Store at cool and dry place.

Packing Size

- 40 Kg Bag Size / Cargo Bag 1000kg

Limitations or Restrictions

- Avoid direct application to gypsum plaster or boards, fiber cement boards, drywall partitions, plywood, chipboard, particleboard, decorative laminates, resilient flooring, metal, plastic, deformable surfaces, or surfaces subject to vibrations.
- Not suitable for fixing artificial, nano, engineered stone, composites, or metal tiles.



KENUNIV Block-Joint Mortar is a high-quality, premixed, ready-to-use adhesive compound featuring Silica (SiO₂ 98%+). This cement-based adhesive is designed to be mixed with water to create a high-strength, thixotropic mortar. It is ideal for application over aerated lightweight concrete, fly ash bricks, cement hollow blocks, cellular concrete blocks, or for smoothing over block work surfaces in layers ranging from 2 mm to 8 mm thickness. The thin jointing provides high adhesion, enhancing the load-bearing capacity of masonry to meet or exceed national and international standards.

Reference Standard

- IS 2250:1981
- ASTM C 1660-09
- IS:15477 T1 Table 1 Cl 5.1 & 5.2
- EN-12004 C1TES1

Application of BM

KENUNIV - BM can be applied to

- Brick
- Concrete block
- AAC block
- Fly ash block
- Concrete surfaces

Suitable for both interior and exterior use, it prepares a thin bed adhesive for AAC, ALC, and cellular concrete blocks.

Benefit of KenUniv - BM

- **High Compressive Strength:** Achieves compressive strengths of 12.1–14.5 MPa within 2 days, and 19.1–23.8 MPa and 34.1–36.9 MPa at 7 and 28 days respectively.
- **Time-Saving:** Premixed formula eliminates the need for stacking and mixing individual materials, ensuring timely project completion.
- **Easy Application:** Simply add water on-site for a quick and easy fitting process. No curing is required after block work is completed.
- **Better Coverage:** Ensures efficient use of material.
- **Eco-Friendly:** Contains no fly ash or slag.

Directions for use



The surface should be free from oil, grease, paint, loose plaster or dirt particles



20% to 22% of water by weight of material



Stirring for 3 minutes till it's free of lumps



Leave the mix to react for 5-10 minutes before use



Use between 5° C to 50° C



The mixture should be applied while the cement slurry is wet



Tap the block gently using wooden or rubber mallet.



Wait 24 hours for subsequent application



Curing 2-3 times a day for 7 days



Prevent direct contact with skin and eyes. In case of contact, wash with clean water immediately



Technical Information

Bulk density	1300-1450 Kg/m ³
Water powder ratio	20% - 22% by weight
Fresh Wet Density	1700-1800 Kg/m ³
Pot life	1.5 Hr @ 30° C
Flexural Strength	>3.0 N/mm ²
Compressive strength	>6/mm ²
Split Tensile Strength	>0.5 N/mm ²
Thickness of layer	2 mm to 6 mm Layer
Water curing	Not Needed
Initial Setting Time	1.5 to 2.0 Hr.
Final Setting Time	27 Days

Coverage Table for standard surface

Size of Bag	Thickness of Plaster	Area Coverage
40 kg	2mm	220 to 240 Sq. Feet
40 kg	3mm	145 to 185 Sq. Feet
40 kg	4mm	110 to 150 Sq. Feet
40 kg	6mm	75 to 93 Sq. Feet

*Blocks size in 600x200x100 STC

Shelf Life

- It has a shelf life of 12 months from the date of manufacture. Store at cool and dry place.

Packing Size

- 40 Kg Bag Size / Cargo Bag 1000kg

Limitations or Restrictions

- Avoid direct application to gypsum plaster or boards, fiber cement boards, drywall partitions, plywood, chipboard, particleboard, decorative laminates, resilient flooring, metal, plastic, deformable surfaces, or surfaces subject to vibrations.
- Not suitable for fixing artificial, nano, engineered stone, composites, or metal tiles.





KENUNIV Tile Fixer is a premixed, ready-to-use adhesive compound with a grey base and high-quality silica (SiO₂ 98%+), and cement. It is ideal for fixing all types of floor tiles and natural stones, both for internal and external applications, ensuring consistent quality. This single-component, water-resistant bonding mixture includes pure fine mesh silica, cement, and adhesive compounds, making it suitable for civil construction projects.

Reference Standard

- IS:15477 T2 Table1 Cl 5.1 & 5.2
- EN-12004 C2TES1

Application of FF

KENUNIV Floor Tile Fixer is suitable for various applications, including

- Ceramic tiles floor
- Vitrified tiles floor
- Large format tiles
- Porcelain tiles as per IS 13712: 2006.

Ideal for flooring in internal and external areas, dry and wet areas, and both domestic and commercial applications.

Benefit of KenUniv - FF

- **High Compressive Strength:** Floor Tile Fixer specimen exhibit-achieves very high compressive strength.
- **Easy Application:** The premixed material requires only the addition of water on site, simplifying and speeding up the tile fixing process.
- **Self-Curing:** The silica-based compound ensures low temperature and fast curing, facilitating hassle-free application with minimal labor.
- **Better Coverage:** Provides efficient and effective coverage for various applications.
- **Eco-Friendly:** Contains no fly ash or slag.

Directions for use



The surface should be free from oil, grease, paint, loose plaster or dirt particles



20% to 22% of water by weight of material



Stirring for 3 minutes till it's free of lumps



Leave the mix to react for 5-10 minutes before use



Apply adhesive on both surfaces using notch trowel.



Place the tiles on the surface then move it in perpendicular direction to notches.



Tap the gently using wooden or rubber mallet.



Remove the excess adhesive using damp cloth / sponge.



Wait 24 hours for subsequent application



Prevent direct contact with skin and eyes. In case of contact, wash with clean water immediately



Technical Information

Dry Bulk density	1300-1450 Kg/m ³
Water powder ratio	20% - 22% by weight
Fresh Wet Density	1700-1800 Kg/m ³
Open time (IS 15477:2019) / Adjustability (IS 15477:2019)	Approx. 20 minutes
Compressive strength	≥ 12.1 to 14.5 Mpa MS @ 7 days ≥ 23.8 to 28.0 Mpa MS @ 28 days

As per IS 15477:2019 For **Type - 2**

Tensile adhesion strength	≥ 1 N/ mm ²
Shear adhesion strength Dry Condition	≥ 1.25 N/ mm ²

As per EN 12004	Class -2 , C2TES1
Application temperature (substrates & materials)	5°C to 55°C
Adhesive thickness of Layer	3 mm – 12 mm
Pot life	2.0 Hr @ 30° C
Settings/ trafficable time	24 hours

Coverage Table for standard surface

Size of Bag	Thickness of Plaster	Area Coverage
20 kg	3mm	65 to 70 Sq. Feet
20 kg	5mm	38 to 40 Sq. Feet
20 kg	6mm	30 to 33 Sq. Feet
20 kg	8mm	23 to 25 Sq. Feet

(using 6 mm x 6 mm notch)

Shelf Life

- It has a shelf life of 12 months for sealed pack when stored under cover, out of direct sunlight, in damp-proof condition and protected from extremities of temperature.

Packing Size

- 20 Kg Bag Size

Limitations or Restrictions

- Avoid direct application to gypsum plaster or boards, fiber cement boards, drywall partitions, plywood, chipboard, particleboard, decorative laminates, resilient flooring, metal, plastic, deformable surfaces, or surfaces subject to vibrations.
- Not suitable for fixing artificial, nano, engineered stone, composites, or metal tiles.



KENUNIV Tile Fixer a premixed, ready-to-use, grey silica-based (SiO₂ 98%+) cement adhesive compound designed for all types of wall tile applications, both internal and external. This high-quality, single-component, water-resistant bonding mixture ensures consistent quality and is composed of pure fine mesh silica, cement, and adhesive compounds, ideal for civil construction sites.

Reference Standard

- IS:15477 T3 Table 1 Cl 5.1 & 5.2
- EN-12004 C2TES1

Application of WF

KENUNIV Wall Tile Fixer suitable for various applications, including:

- Wall ceramic tiles
- Vitrified tiles
- Natural stones
- Marble, granite, terracotta
- Large format tiles
- Porcelain

Ideal for flooring in internal and external areas, dry and wet areas, and both domestic and commercial applications.

Benefit of KenUniv - WF

- **High Compressive Strength:** Wall Tile Fixer specimen exhibit-achieves very high compressive strength.
- **Easy Application:** The premixed material requires only the addition of water on-site, simplifying and speeding up the tile-fixing process.
- **Self-Curing Properties:** Due to the silica base, the bonding agent has a low temperature and fast curing time, facilitating hassle-free application with minimal labor.
- **Better Coverage:** Provides efficient and effective coverage for various applications.
- **Eco-Friendly:** Contains no fly ash or slag.

Directions for use



The surface should be free from oil, grease, paint, loose plaster or dirt particles



20% to 22% of water by weight of material



Stirring for 3 minutes till it's free of lumps



Leave the mix to react for 5-10 minutes before use



Apply adhesive on both surfaces using notch trowel.



Place the tiles on the surface then move it in perpendicular direction to notches.



Tap the gently using wooden or rubber mallet.



Remove the excess adhesive using damp cloth / sponge.



Wait 24 hours for subsequent application



Prevent direct contact with skin and eyes. In case of contact, wash with clean water immediately



Technical Information

Dry Bulk density	1300-1450 Kg/m ³
Water powder ratio	20% - 22% by weight
Fresh Wet Density	1700-1800 Kg/m ³
Open time (IS 15477:2019) / Adjustability (IS 15477:2019)	Approx. 20 minutes
Open time (IS 15477:2019) / Adjustability (IS 15477:2019)	Approx. 20 minutes
Compressive strength	≥ 12.1 to 14.5 Mpa KJ @ 7 days ≥ 23.8 to 28.0 Mpa KJ @ 28 days
As per IS 15477:2019 For Type - 3	
Tensile adhesion strength	≥ 1.5 N/ mm ²
Shear adhesion strength Dry Condition	≥ 1.5 N/ mm ²
As per EN 12004	
Application temperature (substrates & materials)	5°C to 55°C
Adhesive thickness of Layer	3 mm – 12 mm
Pot life / Settings/ trafficable time	2.0 Hr @ 30° C / 24 hours

Coverage Table for standard surface

Size of Bag	Thickness of Plaster	Area Coverage
20 kg	3mm	65 to 70 Sq. Feet
20 kg	5mm	38 to 40 Sq. Feet
20 kg	6mm	30 to 33 Sq. Feet
20 kg	8mm	23 to 25 Sq. Feet

(using 6 mm x 6 mm notch)

Shelf Life

- It has a shelf life of 12 months from the date of manufacture. Store at cool and dry place.

Packing Size

- 20 Kg Bag Size

Limitations or Restrictions

- Avoid direct application to gypsum plaster or boards, fiber cement boards, drywall partitions, plywood, chipboard, particleboard, decorative laminates, resilient flooring, metal, plastic, deformable surfaces, or surfaces subject to vibrations.
- Not suitable for fixing artificial, nano, engineered stone, composites, or metal tiles.



KENUNIV Stone Fixer is a pre-mixed, ready-to-use adhesive compound with high-quality silica (SiO₂ 98%+), Cement Grey / white, and adhesive components. Designed for both internal and external applications, it ensures consistent quality for all types of natural stone fixing. **KENUNIV Stone Fixer** is a single-component, water-resistant bonding mixture ideal for civil construction projects.

Reference Standard

- IS:15477 T4 Table1 Cl 5.1 & 5.2
- EN-12004 C2TES2

Application of SF / SF w

KENUNIV Stone Fixer can be used for various types of

- Ceramic tiles
- Bricks
- Vitrified tiles
- Natural stones
- Marble
- Granite
- Terracotta
- Large format tiles
- Porcelain

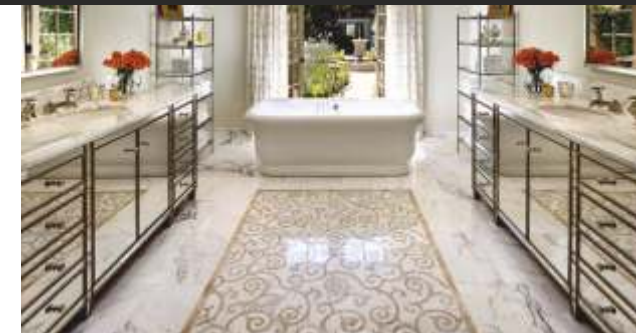
in accordance with IS 13712: 2006. Suitable for flooring and walls in both internal and external areas, it is effective in dry and wet conditions for domestic and commercial applications.

Benefit of Kenuniv - SF / SF w

- **High Compressive Strength:** Stone Fixer specimen exhibit-achieves very high compressive strength.
- **Easy Application:** Pre-mixed material requires only the addition of water on-site, simplifying and speeding up the stone fixing process.
- **Self-Curing Properties:** The silica-based compound ensures low temperature of the bonding agent and fast curing, allowing hassle-free application with minimal labor.
- **Better Coverage:** Provides efficient and effective coverage for various applications.
- **Eco-Friendly:** Contains no fly ash or slag.

Directions for use

				
Clean the surface to remove oil, bond inhibiting agents, dust.	20% to 22% of water by weight of material	Stirring for 3 minutes till it's free of lumps	Leave the mix to react for 5-10 minutes before use	Apply adhesive on both surfaces using notch trowel.
				
Place the tiles on the surface then move it in perpendicular direction to notches.	Tap the gently using wooden or rubber mallet.	Remove the excess adhesive using damp cloth / sponge.	Wait 24 hours for subsequent application	Prevent direct contact with skin and eyes. In case of contact, wash with clean water immediately



Technical Information

Dry Bulk density	1300-1450 Kg/m ³
Water powder ratio	20% - 22% by weight
Fresh Wet Density	1700-1800 Kg/m ³
Open time (IS 15477:2019)	Approx. 20 minutes
Adjustability (IS 15477:2019)	Approx. 20 minutes
Compressive strength	≥ 12.1 to 14.5 Mpa SM @ 7 days ≥ 34.1 to 36.9 Mpa SM @ 28 days

As per IS 15477:2019 For **Type - 4**

Tensile adhesion strength	≥ 1.75 N/ mm ²
Shear adhesion strength Dry Condition	≥ 1.60 N/ mm ²

As per EN 12004	Class -2 , C2TES2
Application temperature (substrates & materials)	5°C to 35°C
Adhesive thickness of Layer	3 mm – 12 mm
Pot life	2.0 Hr @ 30° C
Settings/ trafficable time	24 hours

Coverage Table for standard surface

Size of Bag	Thickness of Plaster	Area Coverage
20 kg	3mm	65 to 70 Sq. Feet
20 kg	5mm	38 to 40 Sq. Feet
20 kg	6mm	30 to 33 Sq. Feet
20 kg	8mm	23 to 25 Sq. Feet

(using 6 mm x 6 mm notch)

Shelf Life

- It has a shelf life of 12 months from the date of manufacture. Store at cool and dry place.

Packing Size

- 20 Kg Bag Size

Limitations or Restrictions

- Avoid direct application to gypsum plaster or boards, fiber cement boards, drywall partitions, plywood, chipboard, particleboard, decorative laminates, resilient flooring, metal, plastic, deformable surfaces, or surfaces subject to vibrations.
- Not suitable for fixing artificial, nano, engineered stone, composites, or metal tiles.



KENUNIV Water-Proofing Mortar is a mineral-based silica powder (SiO_2 , 98%+) that enhances concrete strength with multiple properties including self-compacting ability, strength enhancement, heat dissipation, prevention of water seepage (leakages), and smooth surface finish. It meets all national and international standards for ready-mix concrete applications.

Reference Standard

- IS 516:2018 (Part 2/Sec 1)
- IS 4031:1988 Part 8
- IS 4926:2003

Application of WM

- High grade Concretes
- Homogenies Water Proofing in concrete work
- Ready Mix Plant (RMC)
- Precast work
- All type of concrete work.

Benefit of KenUniv - WM

- **Crack Reduction:** **KENUNIV** Water-Proofing Mortar aids in preventing cracks, improving cohesion, and reducing maintenance costs in the long term.
- **Compressive Strength:** Demonstrates very high compressive strength.
- **Purity:** Contains high levels of silica (95% to 99%) compared to regular sand, reducing impurities.
- **Temperature Reduction:** Can reduce temperatures via carbon reduction at 1600°C – 2000°C to yield volatile silicon monoxide.
- **Water Leakage Reduction:** Some silica sands absorb moisture better than others, aiding in reducing water leakages.
- **Time Saving:** Offers quick setting time and smooth surface finish, reducing further surface treatment time.
- **Long Durability:** Allows for long-term use, reducing maintenance costs.
- **Easy Application:** Easy to mix in batches as needed.
- **Eco-Friendly:** Contains no fly ash or slag.

Directions for use



The surface should be free from oil, grease, paint, loose plaster or dirt particles.



The mixture should be thrown while the cement slurry is wet, ensure leveling with the help of tools.



16% to 18% of water by weight of material



Use between 5°C to 50°C



Mix thoroughly using mechanical stirrer for 2-3 minutes



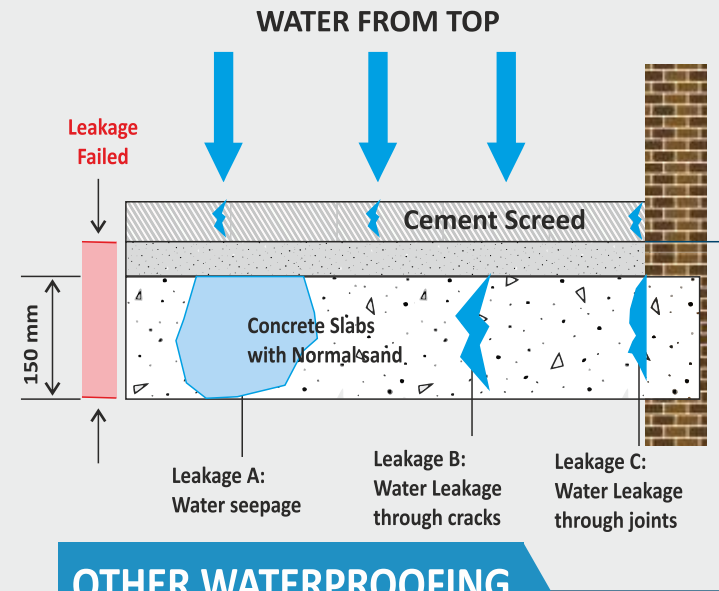
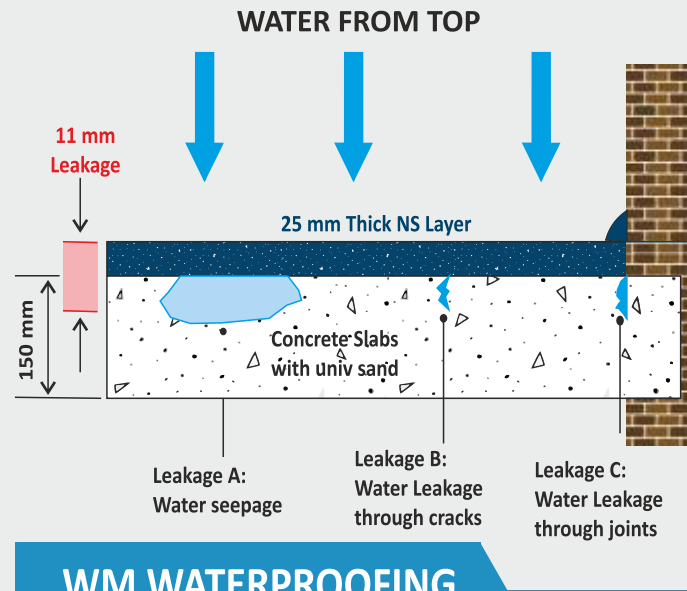
Curing 2-3 times a day for 7 days



Leave the mix to react for 5-10 minutes before use



Prevent direct contact with skin and eyes. In case of contact, wash with clean water immediately



Technical Information

Attributes	TEST RESULT REGULAR CONCRETE (BEFORE)	TEST RESULT KENUNIV-WM (SiO_2 , 98%) Add 20% in CONCRETE (AFTER)
Compressive Strength	Full Strength in 28 days	Full Strength in 7 days
Flexural Strength	4.40 Mpa	6.60 Mpa
Split Tensile Strength	2.21 Mpa	4.70 Mpa
Abrasion Resistance	33000 Cu mm	23993 Cu mm
Rapid Chloride Test (RCPT)-ASTM	Between 1000 & 2000 coulombs (Moderate)	Below 600 coulombs (Very Low)
Water Permeability - DIN 1048	35 mm	10 mm
dynamic modulus of elasticity (Ed) in Gpa	26.00 Gpa	34.00 Gpa
Shrinkage Cracks	High	Very Low
Workability	Normal	Free Flow
Porosity	High	Minimum
Surface Finish	Rough	Smooth

Coverage Table for standard surface

Size of Bag	Thickness of Plaster	Area Coverage
40 kg	6mm	75 to 70 Sq. Feet
40 kg	10mm	44 to 48 Sq. Feet
40 kg	15mm	30 to 32 Sq. Feet
40 kg	25mm	18 to 20 Sq. Feet

(using 6 mm x 6 mm notch)

Shelf Life

- It has a shelf life of 12 months from the date of manufacture. Store at cool and dry place.

Packing Size

- 40 Kg Bag Size

Limitations or Restrictions

- Avoid direct application to gypsum plaster or boards, fiber cement boards, drywall partitions, plywood, chipboard, particleboard, decorative laminates, resilient flooring, metal, plastic, deformable surfaces, or surfaces subject to vibrations.
- Not suitable for fixing artificial, nano, engineered stone, composites, or metal tiles.





Providing Effective Building Solutions

KEY ADVANTAGES OF USING KENUNIV PRODUCT



Environment Preservation
By reforming overburden material, we reduce the need for additional extraction, minimizing ecological disturbance and preserving natural habitats.



Resource Optimization
Sustainable processing maximizes the use of existing materials, reducing waste and conserving valuable resources for future generations.



Reduced Carbon Footprint
Our method significantly lowers energy consumption and carbon emissions compared to traditional sand product usage techniques.



Industry Capability
The processed sand meets the stringent quality standards required by glass, foundry, construction, and chemical sectors, ensuring seamless integration into production processes.

**Silica is the second most
consumed material on earth after water**



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