



CORNICHE<sup>®</sup>

**Corniche Silica Fume**

**Building Structures That Last a Lifetime**



Innovative. Sustainable.  
Trusted by Industry Leaders.



# Innovative Concrete For The Modern World

Corniche Silica Fume is revolutionizing construction with high-performance additives that enhance concrete's strength, durability and resistance. Whether it's a skyscraper reaching for the clouds or a bridge enduring the elements, Corniche ensures every structure is built to last.

As a product of Kvalitet Resources LLP, Corniche benefits from decades of expertise and ISO-certified quality. Our silica fume strengthens concrete against sulfates, chlorides and weathering, enabling structures to stand resilient for generations.



**CORNICHE-ENHANCED CONCRETE**



**WEATHERED CONCRETE**



# Why Choose Corniche Silica Fume?



## UNMATCHED STRENGTH & DURABILITY

Protects against corrosive agents, ensuring decades of resilience.



## ECO-FRIENDLY MANUFACTURING

A sustainable by product process that reduces waste and emissions.



## PROVEN TRACK RECORD

Trusted in iconic projects like Mumbai Ahmedabad Bullet Train project and PAN India metro rail projects.





An aerial photograph of a city skyline, likely Chicago, featuring the Willis Tower and other skyscrapers. A large highway bridge with multiple lanes is in the foreground, crossing a body of water. The sky is blue with scattered white clouds.

# Real-World Applications of Corniche Silica Fume.

- **High-Rise Buildings:** Enhanced fire resistance and seismic strength.
- **Bridges & Tunnels:** Superior corrosion and weathering protection.
- **Underwater Concrete:** Long-lasting durability against seawater erosion.
- **Infrastructure Projects:** Sustainable roads, dams and water facilities.

# Precision In Every Particle

## Key Specifications:

Parameter	ASTM C-1240	IS 15388	Corniche SF
SiO <sub>2</sub> (%)	≥ 85	≥ 85	> 87
Loss on Ignition (%)	≤ 5	≤ 4	< 3.5
Moisture (%)	≤ 3	≤ 3	< 2
Bulk Density (kg/m <sup>3</sup> )	550-700	550-700	570-650
Specific Surface Area (m <sup>2</sup> /gm)	> 15	> 15	> 18
Acc Pozz Activity Index (%)	>110	>85	>115
Total Alkalies (Na <sub>2</sub> O + K <sub>2</sub> O as Na <sub>2</sub> O equivalent) (%).		<1.5	<1.0

- **Specifications:**

High SiO<sub>2</sub> content, low moisture and bulk density, optimized for superior performance.

- **Packaging Options:**

25kg Bags

750kg/1000kg Jumbo Bags for bulk needs.

Also available in loose bulk supply transported in bulker for large size projects at selected locations.

- **Shelf Life:**

24 months under ideal storage conditions.





# Corniche in ACTION

## Mumbai-Ahemdabad Bullet Train project

Corniche's Silica Fume fortifies the underground tunnels and super-structures for the Mumbai-Ahmedabad Bullet Train, ensuring a robust and secure path for India's high-speed rail future.



CASE  
STUDIES

## Delhi Metro

Our premium Silica Fume bolsters the Delhi Metro Bridges, ensuring durability and strength for a modern reliable infrastructure.



## Mumbai-Pune Expressway Missing Link

Our advanced Silica Fume enhances the strength and longevity of the Mumbai-Pune Missing Link Expressway Tunnel ensuring a safer and more durable connection.





## TESTIMONIALS

“

We have used Corniche microsilica in high strength concrete of grade M60 and above at various project sites. The micro silica is consistent in quality and performance is very good.

”



LS Kannan

Advisor, concrete technology L&T construction

“

J. Kumar Infraprojects has successfully implemented Corniche Silica Fume-based concrete solutions in various challenging projects, including metro lines and bridges across India. The company has also utilized this technology in ultra high-performance concrete for defense projects, highlighting the versatility and durability of Corniche Fume.

”



Yusuf Inamdar CEO

J. Kumar Defence and Aerospace Pvt Limited

“

Corniche Silica Fume is an innovative, high-performance concrete additive that enhances durability, strength and sustainability. Its versatility makes it suitable for various applications, from bridges and metros to defense projects. As a cost-effective and eco-conscious solution, Corniche Silica Fume is a reliable choice for modern construction, ensuring the longevity and quality of infrastructure.

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Ranjan Kumar Mishra

Project Controller / Afcons Infrastructure Ltd.  
Mumbai Pune Expressway missing link project.



“ Let's Build The Future Together. ”

FEW OF OUR ESTEEMED CLIENTS



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Warehouses : Pan India



www.corniche.in