

STEWOLS INDIA (P)
LTD.

HIGH-
LIGHTS OF
THE
MONTH:

- SHOT-
CRETING
OF HYDRO
TUNNEL –
PUNE

INSIDE
THIS
ISSUE:

1,50,000 sq. ft. SFRC
Warehouse
Flooring,
Patli

60,000 sq. ft. Factory,
Faridabad

SFRC Luxury Res. Apart-
ments, Pune

COMING SOON

Contact Us.

SHAKTIMAN Fiberology

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Shotcreting of Hydro Tunnel - Pune



SHAKTIMAN® MSC 4515

was used in the Shotcreting of the tunnel being constructed for supply of water from the reservoir to the city of Pune.

The scheme is designed for water supply of 200 MLD. It will cover 58 sq.km area of the eastern part of Pune city along the Nagar road for projected population of 14.50 lac up to 2041.

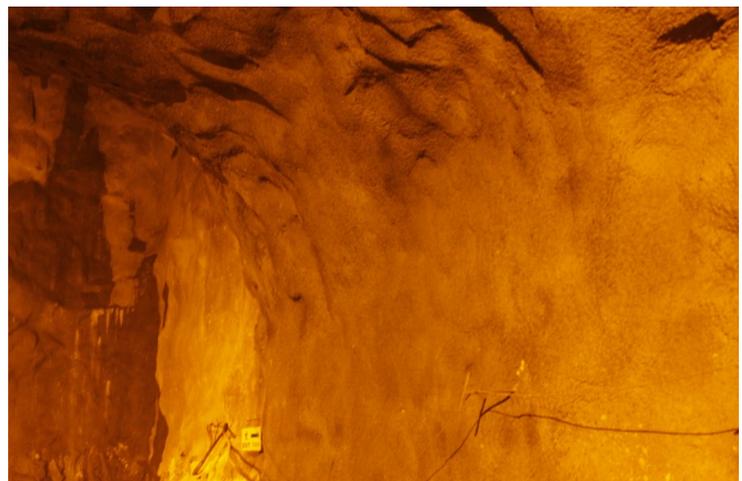
The excavated tunnel had a diameter of 3.5 m. Hence it was not feasible to use a robot for shotcreting. The shotcreting was then to be carried out only by pot type machines and hand-held nozzles.

In such case , the hoze delivering

Shotcrete to the nozzle would normally be 25mm or at best 38mm. Thus for a hose of such diameter, it was decided that the maximum length of the steel fibre should be 16mm

For stiffness the aspect ratio had to be a minimum of 40. Thus 0.45mm dia. was decided.

Commonly used with dosage of 25 to 50 kg/m³, depending on ground conditions. The Crimped steel fibre causes low rebound losses. Hence Shak-timan® Steel Fibres MSC 4515 conforming to ASTM A820/ A820M with min. TS of 1100 were used.



Steel Fibre Warehouse Flooring at Patli, Gurgaon



1,50,000 Sq. Ft. Warehouse Flooring was done for using **SHAKTIMAN®** Steel Fibre Technology at Patli in Gurgaon. The of 220mm thick Heavy Duty Floor was constructed using **SHAK-TIMAN®** Steel Fibre MSH 8060 with a dosage of 18 kgs per cubic metre.

“We received excellent reinforcement breakthrough for our Container Storage Warehouse with the use of Shaktiman Steel Fibres”.

The state of the art container warehouse set up of the company will provide rail-based car transportation services in the country. The company will provide end-to-end car transportation services to automobile manufacturers, but will focus on rail-based transportation. The Indian car transportation market is estimated at around 1.5 million units a year, according to officials. The market is dominated by road-based transporters who provide end-to end service. The company is known internationally for its expertise in operating automobile terminals and its extensive fleet of Ro-Ro ships that offer regular sailings to and from the major ports.



60,000 SFRC Factory Flooring in IMT Faridabad



A leading household name in Kitchen and Home Appliances, this company has made a mark in almost every urban home in India. Needless to say that they would require a durable floor for their sparkling new factory at IMT Faridabad, to match the quality and durability that reflects in their own products.

Hence **SHAKTIMAN® Hybrid Fibre Technology** was used by incorporating **MSCF 50** along with **Glass Fibres** in the reinforcement of 140mm thick floor at optimum dosage for structural and surface crack control and to also provide super-flat floor with increased area between joint spacing.

SFRC for Luxury Residential Apartments-Pune



This world class Luxury Apartment Construction has used **SHAKTIMAN® Steel Fibres MSH 7560** in their yet another Project in Phase-III which has 330+, 2&3 BHK Flats in Phursungi Pune (off Pune-Solapur highway), and is close to SP Infocity (IT SEZ) – the IT hub that's home to many leading IT & software companies. The group offers new properties in Phursungi Pune. Focused on Nature, the project offers aesthetically planned 2 BHK independent houses for sale with world-class amenities, breathtaking landscaping, beautiful parks and streets-capes merging seamlessly. Distinctly ahead of other projects, Park Infinia has close proximity to Pune's fast growing areas like Hadapsar, Mundhwa, Wanowrie and Undri.

SHAKTIMAN

happy new year

**Coming
SOON!**



SHAKTIMAN[®] GLUED STEEL FIBRES



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