

CASE HISTORY

Rev:01, Date : 29.07.2020

STRENGTHENING & BLACK TOPPING FOR SH-30 TO SARAWALI - NAIKEPADA - PATILPADA ROAD, DAHANU, MAHARASHTRA

DAHANU, MAHARASHTRA, INDIA



Pavement Stabilization

Client:	Products used & Quantity supplied:
PRADHAN MANTRI GRAM SADAK YOGANA (PMGSY) BY MAHARASHTRA RURAL ROADSDEVELOPMENT ASSOCIATION (MMRDA) UNDER KONKAN REGION, THANE, MAHARSHTRA	TECHGLASS 50
	Main contractor:
	M/S. KAPIL S. THAKUR, DAHANU
Manufacturer & Supplier:	Year of construction:
TECHFAB (INDIA) INDUSTRIES LTD.	2010

Problem:

The road located from State Highway SH-30 to Sarawali – Naikepada – Patilpada, Taluka Dahanu, was 5 years old & was constructed under the government scheme “Pradhan Mantri Gram Sadak Yojana”. The existing bituminous surface had undergone wear & tear due to temperature variations, traffic loads, age hardening, braking & turning of vehicles etc. over it. The client thereby wanted an innovative method to increase the life of the overlay and reduce the overall maintenance cost of the same.

Solution:

Techfab (India) Industries Ltd. suggested the use of TechGlass 50 for the reinforcement of the existing bituminous surface. TechGlass 50 provided manifold advantages such as prevent propagation of reflective cracking, prevent wear & tear; increase overall life, high tensile strength, low elongation, good compatibility with asphalt etc.

The existing bituminous surface was cleaned & made free from dust, debris & any obstacles. Tack coat of 60/70 type was sprayed over the cleaned surface. TechGlass 50 was unrolled manually over the sprayed tack coat with no wrinkles over the surface. Wearing course of 20mm thick carpet was laid over the TechGlass 50, to achieve the final prepared surface. Last photograph shows the road condition after 12 months (including monsoon), which shows road in good condition. Looking at satisfactory performance, TechGlass is now incorporated in PMGSY, Schedule of Rates for renewal of roads and asphalt overlay reinforcement.



Unrolling of TechGlass 50 at the site



Laying of TechGlass 50



Over lay being laid over the TechGlass



Compaction of Over Lay



Road Condition after 12 Months (Including Monsoon)

For further details kindly contact :

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