



UNDER BALLAST MATS

INNER ENGINEERING PRODUCTS AND SYSTEMS PVT LTD



MAHARASHTRA



GOA



GUJARAT



MADHYA PRADESH



CHHATTISGARH

EXCLUSIVE AUTHORISED DISTRIBUTORS FOR WEST REGION

ALP UBM MAT

ALP Under Ballast Mat has been designed as an active vibration damping material and to reduce the propagation of vibration from rail tracks. ALP UBM meets all the required DIN & ISO standards in addition to providing temperature resistance in the range of -40 degree Celsius to 120 degree Celsius. The low stiffness and excellent dynamic characteristics of ALP Product make it ideal as a ballast mat. The environment friendly, ALP Ballast Mats are developed to provide reliable performance over a very long service life due to its anti-ageing properties, excellent reduction of ground-borne noise and vibrations, stable performance at low and high temperatures and high mechanical strength.



Technical Specifications

S.N.	Testing of UBM	Standard	Unit	ALP Specification	Remarks
1.	Material			Synthetic or EPDM base, Ageing resistant	OK
2.	Resistant to Water/ Chemical			Resistant to Water and Chemical	OK
3.	Effect of Aging	DIN 5304 & 53508 ISO 188 & ISO-34-1	%	TS Change <20% EB Change <20%	OK
4.	Tensile Strength	ISO 527-3	N/mm ²	Min 1 N/mm ²	OK
5.	Elongation @ Break	ISO 527-3	%	Min 40%	OK
6.	Resistance to		Degree	-40°C to 120°C	OK
7.	Resistance to Fire	DIN 4102-1		Meet the Standard	OK
8.	Environment Aspects			Hazardous Free, CFC Free	OK
9.	Dimension			Thickness as per requirement (10mm/15mm/ 20mm), Length/Width we can provide 3 mtr x 3 mtr Max	
10.	Expected Life		Years	>50 year as UBM	OK
11.	Stiffness / Bedding Modules	DIN 45673-5	N/mm ²	Under Testing will provide results with in a week	
12.	Shear Bedding Modules			Under Testing our materials will meet the spec.	
13.	Fatigue Test	DIN 45673-5		Under Testing, Our materials will meet the specs.	



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Disclaimer: Although these values represent actual results achieved in tests, they should only be used as a guide. ALP Aeroflex cannot guarantee the performance of the product as all situations are different & should be treated separately. All statements & Technical informations are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the informations are appropriate for specific use intended by the recipient.