

WIP CHEK

THE WESTERN INDIA PLYWOODS LIMITED

Technical literature

Annexure No.VIII

WIP CHEK

WIPCHEK is a premium quality compressed Floorboard from THE WESTERN INDIA PLYWOODS LTD. It is the result of the company's endeavour to develop a flooring board for applications requiring high strength and abrasion resistance characteristics.

WIPCHEK is manufactured by impregnation of wood veneers with synthetic resin forming chemicals. The polymerisation process completed under high pressure at an elevated temperature is then stabilised by cooling under pressure.

All this goes to make WIPCHEK the toughest flooring board available today.

PRODUCT CHARACTERISTICS

a.) WIPCHEK's checkering and tread formation process forms an integral part of the processing of the board. WIPCHEK has

hardness and scratch resistance built in throughout its thickness, i.e. when the tread mark wear out slowly the laminate still retains its strength and resistance to abrasion.

b.) This property makes WIPCHEK the ideal Floor board to meet the rigorous requirements of buses, railway coaches, ship decks, etc.

c.) WIPCHEK is a stabilised wood based laminate with excellent resistance to moisture and corrosion. It can effectively replace steel, aluminum and other metals which corrode on exposure to moisture.

d.) WIPCHEK is also resistant to attack from light acid and alkalis and can be used in chemical factories where metal flooring life is rather limited.

Application and materials comparison :

WIPCHEK has the following advantages in comparison with

metal and other flooring material.

a.) WIPCHEK is non-skidding unlike plywood and metal floor boards.

b.) WIPCHEK is noncorroding and can be washed, unlike metals which corrode, and plywood which swells upon washing because of water absorption.

c.) WIPCHEK is fairly resistant to weak acids and alkalis, whereas metals and plywoods are not.

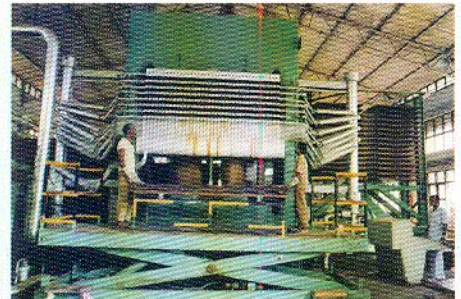
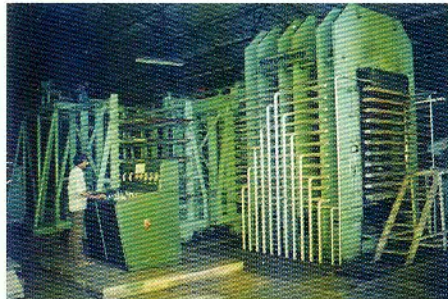
d.) WIPCHEK has thermal as well as electrical insulation characteristics, unlike metals and plywoods which are hygroscopic.

e.) WIPCHEK has excellent acoustical characteristics.

f.) WIPCHEK does not require any maintenance during its life, i.e. no painting, polishing or varnishing. Also, it can be cleaned with ordinary broom or brush.

Physical and Mechanical Properties

Properties	Grade WK (LD) 2	Grade WK (HD) 2
Specific Gravity	0.90 - 0.97	1.25 - 1.30
Number of lamination 12 MM 15 MM 18 MM	11 13 15	17 - -
Water absorption (Maximum)	10% at room temperature	5%
Tensile Strength (Minimum)	700 Kg./Cm ²	1100Kg./Cm ²
Bending Strength : Along the grain (Minimum) Across the grain (Minimum)	1050Kg. / Cm ² 400 Kg. / Cm ²	1200 Kg./Cm ² 600 Kg. / Cm ²
Compressive Strength : (Flatwise) Minimum	700 Kg. / Cm ²	1200 Kg. / Cm ²
Shear Strength : Minimum	250 Kg. / Cm ²	350 Kg. / Cm ²
Impact Strength	0.40 Kg.m	0.60 Kg.m



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