















Balaii Action Buildwell Private Limited

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TESA PRODUCT RANGE: • Pre-Laminated & Plain Particle Board • Pre-Laminated & Plain MDF & HDHMR Board • BOILO - BWP HDF Board • Abraze - Highly Scratch Resistant Prelaminated MDF Board • HDHMR Door • HDF Laminated Flooring • Embossed HDF Board • UV Coated Board • High Gloss Acrylic Board • Door Skins











The Action Group, one of India's largest business house came into existence in the early 1970s, under the aegis of Shri Mange Ram Aggarwal - a leader, a visionary and a philanthropist.

The Group began its operations by stepping into the footwear industry with Action Shoes which soon became a household selling name. Propelled by the spirit of constant growth and innovation, backed by commitment to excellence, the Group is today a multi dimensional company with a strong presence in sectors as diverse as -

- Footwear
- Meal Estate
- **Operation** Chemicals
- # Healthcare
- Steel & Power
- Flex Manufacturing
- Coal Mining
- **MDF & Particle Boards**

about action TESA

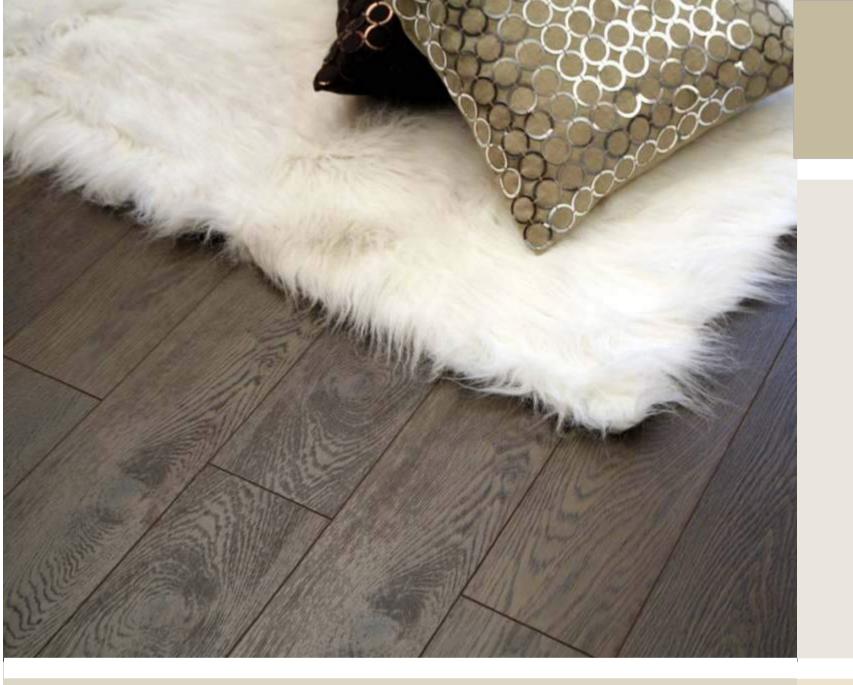
The Action Group is a 44 year old Conglomerate with a leading presence in the Footwear, Steel & Power, Chemicals, Real Estate, Health Care & Electronics. Now the group has forayed into manufacture of Engineering Panels under the brand name - Action T = 5 A



Action T ⊆ S △ has many milestones to its credit. It has installed the first thin MDF / HDF plant in the country as well as the largest Particle Board plant. The company has also introduced to the country DOME Technology unique to its products. It is also the first company in India to manufacture True HDF based Laminate Wooden Flooring. Action T ⊆ S △ offers a host of value added products that include MDF & Particle Boards, Door Skin, Embossed HDF, UV Coated Boards and Printed Decor Boards.

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about laminate flooring

Laminate Flooring is a floating glue less click locked & sealed flooring similar to a jigsaw puzzle. In this method, the individual planks are locked on to each other by means of clicking together, but do not attach to the sub-floor on which it is being installed. Laminated Flooring is generally a HDF based tongue and groove interlocking flooring system that rest on top of the existing substrate like ~ concrete slab, hard wood flooring or virtually any other flat hard surface that is suitable for installation.

Laminate Flooring is popular due to its ease of installation & its simple maintenance, easy cleaning methods, resistance to stains & a very durable surface due to the "WEAR RESISTANT LAYER".

The construction of Laminate Flooring has essentially four layers:

1. A wear resistant SURFACE LAYER – Consisting of a Aluminum Oxide coated tissue to make the flooring surface resistant to impact, scratches, burns & stains.

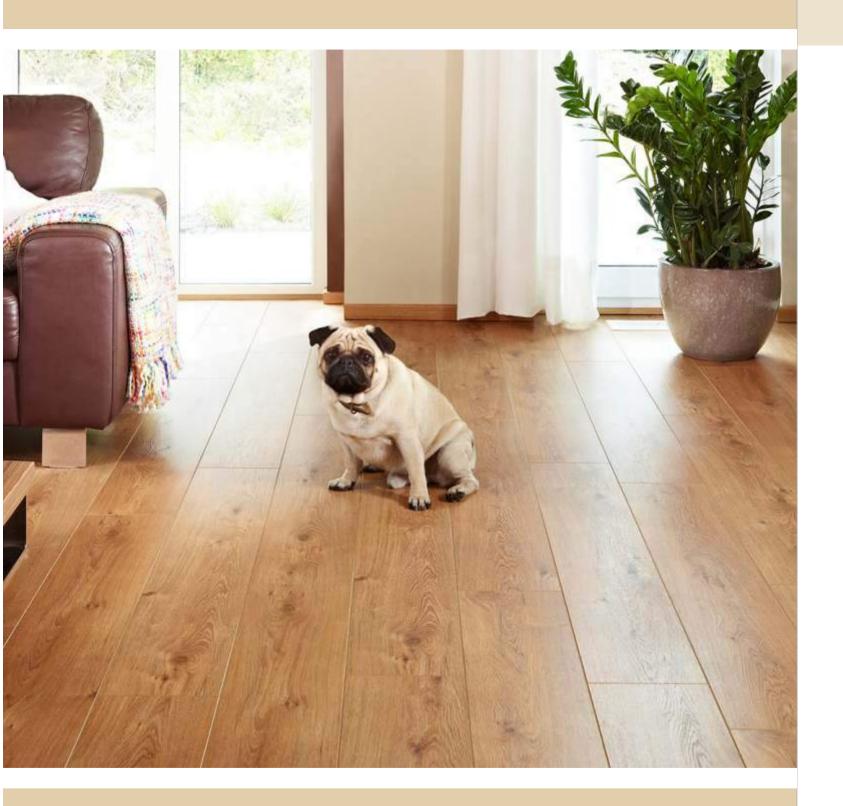
(THIS LAYER DEFINES THE LIFE OF LAMINATE FLOORING)

- 2. A Printed Decorative paper layer which gives the decor of wood grain or patterns.
- 3. The Core-Comprising of HDF 8mm & 12mm
- 4. The balancing paper that lends balance to the construction preventing warpage.

composition layers







TESA HDF LAMINATE FLOORING

why action TESA flooring



Uniquely designed locking profile with easy CLICK to a perfect fit.

The locking profiles are sealed with a **coat of molten wax** to prevent any effect of moisture seepage. Most of the laminate flooring come without wax coating which create the problem of swelling from edges & weakening of joint.



Manufactured by State of the Art plant machinery imbibing the best that technology has to offer, A Laminate Flooring with "TRUE HIGH DENSITY FIBRE BOARD INSIDE", made with backward Integrating Action TESA HDF with consistency in quality & durability advantage of manufacturing the basic input in laminate flooring – HDF.



A **Genuine AC3**, **AC4** & **AC5 Laminate Flooring** with quality abrasion resistant/wear resistant Al₂O₃ layer meeting European Standards specified for Abrasion Resistance. We meet the **European standard EN 13329**.



Ideal for the Tropical Climate of the sub continent with lower water absorption & better dimensional stability. Also as it is produced indigenously so, all the shades are readily available in stock to meet any future requirement of the same shade.



Equipped with a **6 Cylindered Direct Pressure Laminating (DPL)** Press to ensure perfect bonding of the Wear layer & the Decorative surface with the **HDF substrate**, ensuring "**Zero Bubble Lamination**".



Action T ∈ S △ Flooring is anti bacterially treated for better hygiene and is resistant to fungal growth.



Easy to Maintain & Quick to Install. Support at your doorstep by technically trained "Field Support Team". A "HASSLE FREE FLOORING".



Action **TESA** HDF based Laminate Flooring comes with the revolutionary **DOME Technology** which makes it dimensionally stable.



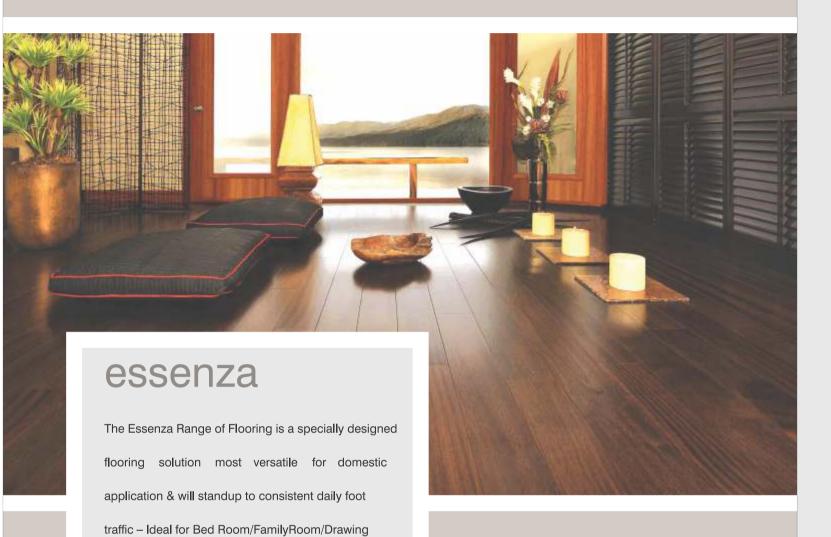
State of the art **GLUE KITCHEN** ensuring the best Glue compositions with high solid content. With 10% more Glue content which ensures consistency of Glue with High Internal Bond.



Action T ⊆ S △ Flooring Team - Technically qualified, hands on experience, dedicated.



Speedy delivery of any shade within a very short period of time.



8MM AC-3



3051

Walnut Plank (MT)

Room/Hotel Rooms. It is classified as AC3.

Sizes available – 193mm(W) x 1214mm(L)

Our AC3 flooring range passes 2000 RC

Abrasion Test as per EN 13329



Cambridge Oak (DD) 3053





Golden Oak (WT)



Chocolate Oak (WT)



Oak Cherry (WT) 3058



3056

Antique Oak (DD) 3066



Wenge Real Wood (DD) 3067



American Sequoia (WT) 3075



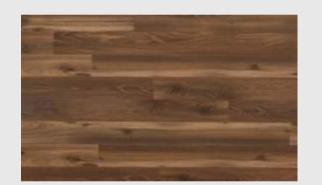
Medoc Walnut (DD)



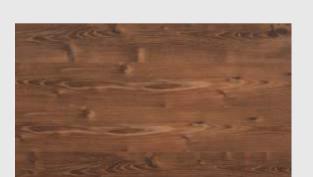
Siam Teak (DD)

essenza 8MM AC-3

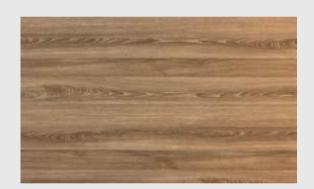




Honey Oak (DD) 3381



Vine Yard Oak (WT) 3384



Rift Oak (WT) 3382



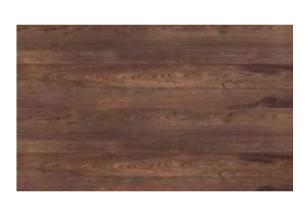
Cambridge Walnut (DD)



Brindle Oak (WT) 3561



Northland Grey Oak (WT)



Royal Oak (WT)



3565 Natural Walnut (WT)

essenza 8MM AC-3



essenza 8MM AC-3 3562





Belfort Oak (WT)

3566



Burn Oak (DD) 3570



Elegant Sand Oak (WT)



Liberty Oak (DD)



Everest Oak (WT)



Prime Oak (WT) 3591



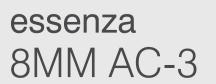
HICKORY WALNUT (WT)



Moonlight Oak (DD)



Vintage Oak (CT)





3568

3573

10, 11

3577



Sizes available – 193mm(W) x 1214mm(L)

Our AC4 flooring range passes 4000 RC Abrasion Test as per EN 13329

8MM AC-4



Olive Ash (MT)

3061



Golden Rustic Oak (WT) 3063



Elegant Oak (DD)

3064



Ovengakol (DD)



3088

3092

3574

3588

Lingfield Oak (MT)



African Walnut (WT)



Dark Walnut Oak (DD)



Caramel Oak (WT)



Real Wood (DD)



Olivia Walnut (DD)



Silver Stricks (WT)



European Oak (WT)

3575

3070

3089



endura 8MM AC-4



HDF LAMINATED FLOORING

Sizes available – 193mm(W) x 1214mm(L)



Magical Oak (CT)



Russet Brown Teak (CT)







Natural Burn Wood (CT)



Fossil Grey Walnut (CT)

3598



3599

White Wood Ruff (CT)



Hash Brown Teak (CT)

3600



advantages of action TES 12mm flooring over solid wood flooring

- Uniform pattern of knots and grainsBeing an engineered product the design patterns are uniform and can be customised, whereas in real wood floor these patterns are natural, hence random.
- More strength than wooden flooring: The laminate flooring is made using HDF as substrate having more density and compactness hence better compressive strength and can withstand heavy traffic with neglizeble dents on the surface whereas real wood flooring having lesser density & compactness is prone to more dents whenever it come across heavy traffic. This is precisely the reason why laminate flooring is used for areas with high foot fall.
- Resistance to house hold accidents: The surface of Action 12mm laminate flooring provided with Aluminum Oxide coated tissue paper which protects it from any accidental damage such as cigarette burns, spilling bleach etc. which is missing in real wood flooring.
- Value for Money

8MM AC-4



argentum

The Argentum range of flooring is exquisitely crafted

flooring solution which is suitable not only for medium to

heavy foot fall areas but also an excellent options for

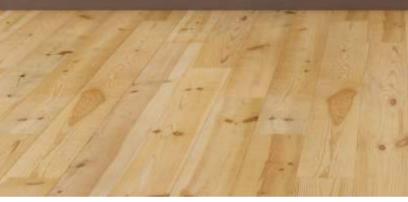
homes where high strength and durability is needed. It

is classified as AC 3 and available in 12mm.

Sizes available – 193mm (W) x 1214mm(L)

Our AC3 flooring range passes 2000 RC Abrasion Test as per EN 13329

12 MM - AC-3





Melbourne Acacia (WT)

3081

platina

The Platina range is an exclusively crafted

flooring solution meant for areas of high foot

fall. It is classified as AC4 and available in

12mm.

Sizes available – 193mm(W) x 1214mm(L)

Our AC4 flooring range passes 4000 RC Abrasion Test as per EN 13329

12 MM - AC-4



Wild Oak (MT)

3083



Rustic Oak (WT)

3085



African Red Wood (MT)

3086











Silver Wood (DD)



3582 Havana Wood (DD)



3586



Ollie Wood (DD)

8 MM8



3584 Harvest Chest (DD)



Brandy (DD)

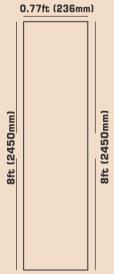






- Available in 236mm(W) x 2450mm(L) tile size
- Thickness available in 8mm & 12 mm DD Texture. Variants of AC4
- Excellent flooring option for large areas like auditoriums, lounges of airports, hotels banquets etc.
- Wall Panelling
- Longer plank size gives look of real wood & with less joints

Colors – All 8mm & 12mm flooring shades are available in king size range MOQ - 100 box of one shade

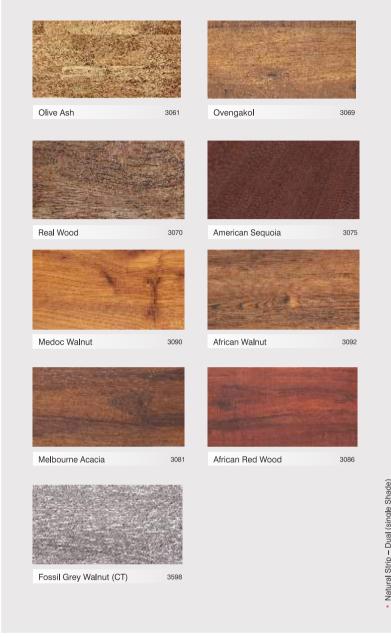


0.77ft (236mm)

8 ft Long Laminated Flooring

12MM AC-4 Sizes available – 141mm(W) x 1214mm(L)







Natural Oak Herringbone Flooring

Shade No. 3069 & 3070



Realwood Shade No. 3081 & 3086



American Walnut Shade No. 3090 & 3092
Herringhone Flooring



herringbone flooring

A floor with Herringbone pattern gives your floor a distinct look. Action T is A laminate flooring specializes in Herringbone flooring enabling you to select your own surface, width, length and colours giving your home an authentic look. Herringbone floor have rich history as a traditional floor pattern. It can be installed in several configurations. Each plank has a tongue and groove locking system.

Sizes available – 99mm(W) x 600mm(L) 8mm (AC4) Texture - DD

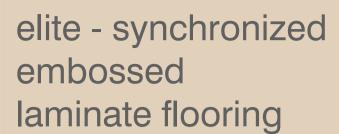


12mm (AC4)

Colors – Available in All 12mm - AC4 Shades

Edges – V-Grove





Elite HDF Synchronized flooring from Action Tesa is having very unique feature. Embossed texture is registered with decor paper pattern. The texture of press plates is synchronized with décor paper pattern. Unlike other laminate flooring surfaces it matches the texture of the décor paper's underlying pattern rather than just applying a generic wood grain texture.

Synchronized laminate flooring is therefore an ideal choice for those who want their floor to look as close to real wood as possible.

Sizes available – 195.5 mm(W) x 1217mm(L) 8mm & 12mm (AC4)

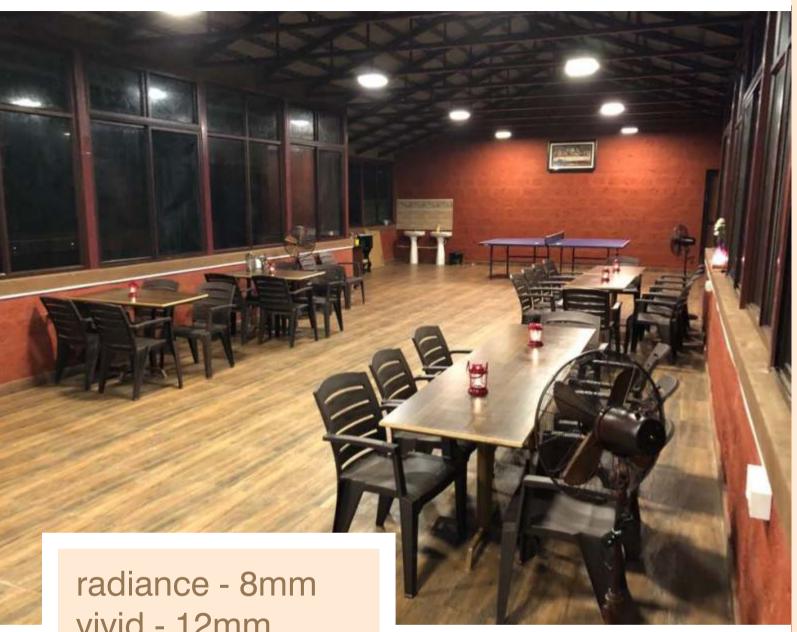
Available in 3 color: Dark Veins - 3550, Bella Wood - 3551,

& Harbor Maple - 3553



Bella Wood - 3551

Harbor Maple - 3553



vivid - 12mm

Action TESA takes pride of being India's 1st and only manufacturer of AC5 HDF Laminate flooring. AC5 HDF Laminate flooring is best suited for commercial use with heavy traffic. Action TESA HDF Laminate Flooring meets the European standard EN 13329 guidelines. AC 5 range is tested at 6000 rotation cycles.

Sizes available – 193mm (W) x 1214mm(L)

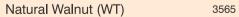
AC-5

















CORE MATERIAL HDHMR BOARD

Our client can avail from us a wide variety of accessories which are available in matching colors/designs and specifications. These are commonly used to enhance and change the looks of any room. These are produced using advance technology. These are highly stain resistant and require very little routine care and

•Beading •Skirting •T Profile • Profile • Stair Nose

Beading: It is used to hide the expansion gap left along the walls during installation.

Size: 18mm (Thickness) x 18mm (W)

Skirting: For covering expansion gap on the edges and along wall.

Size:18mm (Thickness) x 60mm(W), 18mm(Thickness) x 100mm(W),

Special Sizes like 18MM(Thickness)X75MM, 18MM (Thickness)X 125MM will available as per MOQ and as per special conditions.

T Profile: For transition between the same levels.

Profile: For covering the expansion gap between the laminate flooring & another flooring.

Size:15mm (Thickness) x 50mm (W)

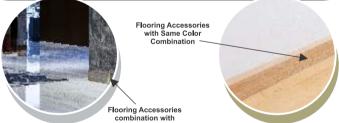
Stair Nose: It is used to cater the edge of a stair tread or step.

Size:18mm (Thickness) x60mm (w)

ADVANTAGES

- Core Material HDHMR Board
- Hot Pressed Product
- Thermo Setting Adhesive
- High Abrasion Resistance
- Water Resistance
- Borer Resistance
- Termite Resistance
- 8 feet Length





technical ratings & foot fall load factors

The various classes according to usage are given below:

- Class 31: Moderate loads, ideal for hotel room, meeting rooms,
- · Class 32: General Loads, ideal for Offices, Showrooms, Stores, waiting rooms etc.
- · Class 33: Heavy loads, ideal for Large Offices, Shops and Public Buildings.

| Heads | Commercial Segment | | | |
|---|--------------------|-----------------------|--------|--|
| Heads | Moderate | General | Heavy | |
| Load Bearing Class | 31 | 32 | 33 | |
| Abrasion Class | AC3 | AC4 | AC5 | |
| Combination of Load & Abrasion Class | moderate | Selection (Selection) | H Anny | |

Hardness & Ratings are explained below:

AC abrasion ratings are a standardized measures adopted by the Association of the European producers of laminated flooring (EPFL).

The AC measures the combined abrasion resistance, impact resistance, resistance to staining, cigarette burns & thickness swelling along the edges.

AC3 can be applied to more varied locations such as domestic flooring & in small offices & other light commercial locations.

AC4 can be installed in higher traffic commercial areas such as boutiques, busy offices & restaurants.

AC5 radiance and vivid range of flooring is the highest rated laminate flooring best suited for heavy foot traffic in commercial properties. It is classified as AC5



technical specifications

| | | 1 | | | |
|--|---|--|--|--|--|
| TEST STANDARD | ESSENZA/AGRENTUM | ENDURA/PLATINA | RADIANCE / VIVID | | |
| EN13329 | AC-3 | AC-4 | AC-5 | | |
| - | 2000 RC | 4000 RC | 6000 RC | | |
| - | 75 gsm | 75 gsm | 75 gsm | | |
| - | 45 gsm | 55 gsm | 65 gsm | | |
| - | Molted Wax | Molted Wax | Molted Wax | | |
| EN13329 | IC1 | IC2 | IC2 | | |
| EN438 | GROUP 5 | GROUP 5 | GROUP 5 | | |
| EN438 | CLASS 5 | CLASS 5 | CLASS 5 | | |
| EN20105/A02 | CLASS 7 | CLASS 7 | CLASS 7 | | |
| EN424 | NO DAMAGE | NO DAMAGE | NO DAMAGE | | |
| EN425 | NO DAMAGE | NO DAMAGE | NO DAMAGE | | |
| EN13329 | <u>≤</u> 18 % | <u>≤</u> 18 % | <u>≤</u> 18 % | | |
| EN13329 | ≤ 12 % (Argentum Only) | ≤ 12 % (Platina Only) | <u>≤</u> 12 % | | |
| EN433 | 0.9kv | 0.9kv | 0.9kv | | |
| EN13501 | CFL-S1 | CFL-S1 | CFL-S1 | | |
| ISO 717-2 | 20-22 DB (Argentum Only) | 20-22 DB (Platina Only) | 20-22 DB | | |
| EN14041 | CLASS DS (Argentum Only) | CLASS DS (Platina Only) | CLASS DS | | |
| Density - Thickness - 8mm 900 kg m³ (± 3%) and 12mm 880 kg m³ (± 3%) | | | | | |
| | EN13329 EN13329 EN438 EN438 EN438 EN425 EN13329 EN13329 EN13329 EN13329 EN13329 EN433 EN13501 ISO 717-2 EN14041 | EN13329 AC-3 - 2000 RC - 75 gsm - 45 gsm - Molted Wax EN13329 IC1 EN438 GROUP 5 EN438 CLASS 5 EN20105/A02 CLASS 7 EN424 NO DAMAGE EN425 NO DAMAGE EN13329 ≤18 % EN13329 ≤12 % (Argentum Only) EN433 0.9kv EN13501 CFL-S1 ISO 717-2 20-22 DB (Argentum Only) | EN13329 AC-3 AC-4 - 2000 RC 4000 RC - 75 gsm 75 gsm - 45 gsm 55 gsm - Molted Wax Molted Wax EN13329 IC1 IC2 EN438 GROUP 5 GROUP 5 EN438 CLASS 5 CLASS 5 EN20105/A02 CLASS 7 CLASS 7 EN424 NO DAMAGE NO DAMAGE EN425 NO DAMAGE NO DAMAGE EN13329 ≤ 18 % ≤ 18 % EN13329 ≤ 12 % (Argentum Only) ≤ 12 % (Platina Only) EN433 0.9kv 0.9kv EN13501 CFL-S1 CFL-S1 ISO 717-2 20-22 DB (Argentum Only) CLASS DS (Platina Only) EN14041 CLASS DS (Argentum Only) CLASS DS (Platina Only) | | |

| Type of Flooring | Thickness in mm | Grade | Width in mm | Length in mm | Texture | No of plank in Box | Sq feet in one Box | Sq Meter in one Box |
|------------------|-----------------|-----------------|-------------------|-----------------|-----------|--------------------|--------------------------|---------------------------|
| Normal | 8 | AC-3, AC-4, AC5 | 193 | 1214 | MT,DD, WT | 8 | 20.1760 | 1.8744 |
| Normal | 12 | AC-3, AC-4, AC5 | 193 | 1214 | MT,DD, WT | 6 | 15.1320 | 1.4058 |
| Normal | 12 | AC5 | 193 | 1214 | MT,DD, WT | 6 | 15.1320 | 1.4058 |
| Herringbone | 8 | AC-4 | 99 | 600 | DD | 8 | 5.1150 | 0.4752 |
| Handscrapped | 12 | AC-4 | 193 | 1214 | HS | 6 | 15.1320 | 1.4058 |
| Synchronized | 8 | AC-4 | 195.5 | 1217 | SE | 8 | 20.4879 | 1.9033 |
| Synchronized | 12 | AC-4 | 195.5 | 1217 | SE | 6 | 15.3659 | 1.4275 |
| French Bleed | 8 | AC-3, AC-4 | 141 | 1214 | DD | 10 | 18.4250 | 1.7117 |
| French Bleed | 12 | AC-3, AC-4 | 141 | 1214 | DD | 6 | 11.055 | 1.0270 |
| King Size | 8 | AC-4 | 236 | 2450 | DD | 4 | 24.8947 | 2.3128 |
| King Size | 12 | AC-4 | 236 | 2450 | DD | 3 | 18.6711 | 1.7346 |
| Midas | 8 | AC-4 | 193 | 1214 | СТ | 8 | 20.1760 | 1.8744 |

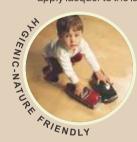
26, 27



cleaning and maintenance guide for action TESA laminate flooring

The after care that laminate flooring requires is very little and extremely simple. Cleaning laminate flooring, if carried out regularly, can keep your floor looking like new for many years to come.

- A simply brush over with a soft headed brush or a very slightly damp mop, is all that is needed when cleaning laminate flooring. You can use a vacuum cleaner around the edges of the room.
- Special cleaning pads are available which look very much like a mop, and have replaceable wipes that wrap around the pad which attracts the dust, etc. and these make cleaning laminate flooring even easier.
- For stain removal, do not use a strong detergent. Use a mild, non-abrasive cleaner.
- For large cleaning of stains, etc. on laminate flooring, use a mop with ammonia or a mixture of water and vinegar.
- When cleaning laminate flooring do not use steel wool, sand paper, or scouring powder on the laminate surface, and also never try to sand, wax, or apply lacquer to the laminate flooring.









- 1) Place walk off mats at all exteriors entrances to capture most of the harmful dirt before it reaches the wooden floor to avoid scratches
- 2) Place floor protector pads or soft felt on the bottom of the legs of furniture
- 3) Keep high heel shoes in good repair, remember that cleats, sports shoes and high heels can dent a floor surface
- 4) Wipe up food and other spills immediately with a dry or slightly damp cloth or towel
- 5) Laminate floors are not termite proof like all other woods they require protection from termite, it is recommended you take annual maintenance service from a effective pest management company
- 6) Never used oil soap, wax product or house hold cleaner containing lemon oil, tuning oil or ammonia
- 7) Do not use a excessive wet mob to clean the floor too much water can cause swelling, dullness of the surface and may leave a discoloring residue, vacuum or ordinary house old broom is enough for daily dirt removal

if you want to use wet mob please ensure the mob is well wrung and only damp (not wet)

9 While cleaning the floors with textured surface you should always follow the grains of the floor and clean it in the same direction



BUILDER PROJECTS

































































HOSPITALITY PROJECTS











GOVT. CLIENTS: •AIIMS •BSNL •CPWD •DGMAP •DSIDC •EPIL •EIL •GAIL •HP •HSCC •IISER •IRCON •LIC •MCD • MDU • MTNL • NTPC • RITES

essence of action TESA laminate flooring





















Suitable for



Anti-Moisture

















9 While cleaning the floors with textured surface you should always follow the grains of the







Application

Actual Site Photograph

Action TESA is the first company in India to have a Laminate Flooring manufacturing facility. Flooring is one of the most important aspects of the house or business. It adds to the charm and beauty of your living or office space. More and more homes and offices are being graced with Action TESA Laminate Flooring. Now our flooring is taking the hospitality industry by storm. Cafes, hotels, airport lobbies - they all are looking towards Action TESA flooring for all their flooring needs.

Anytime Fitness Gym - Delhi





Auto Expo 2018 - Expo Mart, Noida



FARZI CAFE - Gurgaon (Cyber City)



Divan Heights - NasikFlooring used in stair case





Cottage Velocity Project - Pune
Flooring used in Wall Peneling



Holiday Inn - New Delhi International Airport



Lemon Tree - Leisure Valley- Gurgaon



TATA Housing - Gurgaon



DLF Capital Green - Delhi



Indiabulls - Centrum Park - Gurgaon



Godrej Frontier - Gurgaon

Application Actual Site Photograph

Flooring used in Bike Showroom Platforms



Flooring used in Bike Showroom Platforms







Flooring used in Wall Paneling in Hotel Room



Flooring used in Dinning Table







Flooring used in Wall Paneling



Flooring used in Wardrobe



Flooring used in Wall Paneling



Flooring used in ceiling