

# 5 STEPS TO SANDING WOOD FLOORS

GOOD  
FOR WOOD



PALLMANN





## ROOT AND BRANCH

Sums up the PALLMANN full range offer for the installation, renovation and maintenance of wood floors.

This straight talking guide from the experts at PALLMANN will walk you through the renovation steps to ensure everything is as it should be before coating a wood floor.

Some basics:

- Sanding prior to coating is a finishing job and all other building work, apart from a final coat of paint on skirting boards should be complete.
- Always give your customer correct information to ensure realistic expectations.
- Ensure that abrasives are changed as needed and that dust bags are emptied before vacuum recovery is adversely affected.
- Wood dust is hazardous and presents a serious fire and health hazard, dispose of it carefully and legally.
- Always wear appropriate personal protective equipment.
- Use the following “5 Steps to sanding a wood floor”.



A large, textured tree trunk stands in a lush forest. The foreground is filled with green foliage and small blue flowers. A large, semi-transparent white circle is overlaid on the right side of the image, containing the title text.

# **5** STEPS TO SANDING WOOD FLOORS



# STEP 1

## Assessment







- Floors should be sound, dry and stable.
- The room and floor temperature should consistently be between 18°C to 24°C.
- The moisture content of the wood should be between 7 % – 11 %.
- The room space humidity should be consistently between 35 % and 65 %.
- If the wood floor is newly installed, ensure that the subfloor system is fully cured.
- Ensure that there is sufficient wood to be sanded.



## STEP 2

### Preparation







- Make any necessary repairs and remove any objects in the surface of the timber.
- Select the sanding technique relative to floor construction.
- Select abrasive system relative to floor contamination and unevenness.
- Organise work space and make adjacent areas dustproof.
- Select and wear appropriate personal protective equipment.
- Select machinery and check for function as well as safety.
- Use RCD for all electrical equipment.



## STEP 3

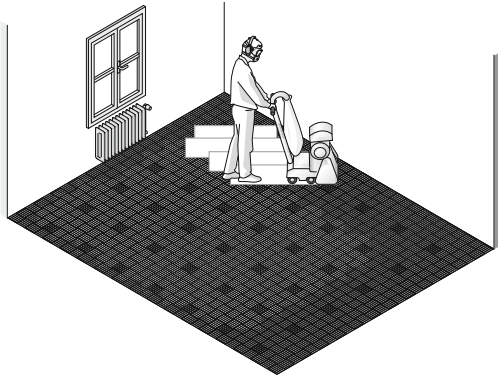
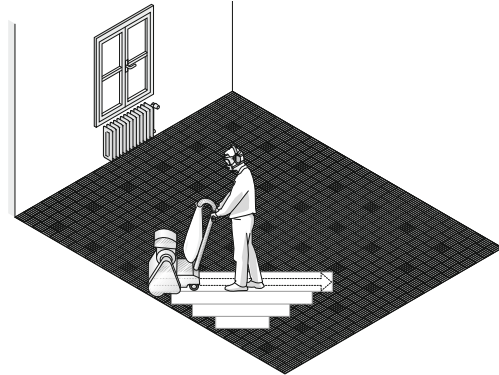
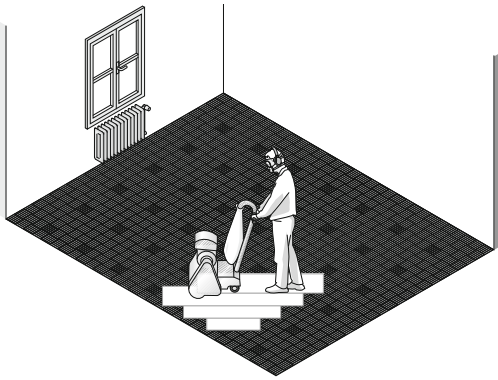


**Sand floor to a consistent  
and level appearance**





## STEP 3



- Using the PALLMANN COBRA belt sander and the selected abrasive grade, methodically sand the floor from left to right.
- The PALLMANN COBRA machine should be used both forwards and backwards along the sanding cut. Then moved systematically across the floor, until the main body of the floor is level and has a completely clean wood appearance.
- Using the PALLMANN GECKO STAR edge sander and the same abrasive grit as the PALLMANN COBRA, methodically edge sand the floor.
- Check the whole floor including corners is now consistent in level and appearance. If not repeat Step 3.



## STEP 4

**Sand floor ready for filling**





- Using the PALLMANN COBRA belt sander and selected grit paper (the next highest grit paper subsequent to that used in step 3), methodically belt sand the floor.
- Using the PALLMANN GECKO STAR edge sander, select the next highest grit to that used in step 3 and methodically edge sand the floor.
- Repeat the above 2 processes up to 60 grit and ensure that all scratch patterns from the previous grits are removed.



- Vacuum the floor using the PALLMANN DUST machine to remove all traces of dust, particularly in gaps between boards.



- Mix fine (100 grit+) wood dust with PALLMANN PALL-X KITT to a smooth consistency.
- Using a PALLMANN steel spatula, apply mixed filler across the whole floor and allow to dry.





## STEP 5

**Sand floor ready for coating**





- Using the PALLMANN COBRA belt sander and PALLMANN GECKO STAR edger and 80 grit abrasive, methodically sand the floor until all surface filler is removed.
- If more filling is required, repeat the process.
- Using the PALLMANN COBRA belt sander and PALLMANN GECKO STAR edger and 100 grit abrasive, methodically sand the floor until all scratch patterns from previous sanding grits are removed.
- Using the PALLMANN UNO 150 RPM rotary machine, drive plate and 120 grit PALLMANN multi hole pads, methodically sand the whole area of the floor to blend belt sander and edger scratch patterns.
- Hand finish any area not accessible to machinery.
- Using white light check floor for visible marks and excess filler and repeat Step 5 if necessary.
- Clean work area meticulously and methodically. Vacuum floor thoroughly.



Wood flooring is a genuinely skilled trade which requires craftsmanship and expertise in order to achieve a beautifully finished wood floor. We believe that manufacturers should also take full responsibility for their systems. We are so confident of our products performance that we are prepared to underwrite the work that our PALLMANN Profi contractors do with our systems for 24 months\*. PALLMANN Profi contractors have to attend regular formal training at our UK training school and demonstrate that they are fully competent in 6 key areas:

- 5 steps to subfloor preparation for wood floors
- 5 steps to sanding wood floors
- 5 steps to lacquering a wood floor
- 5 steps to maintaining a newly lacquered floor
- 5 steps to “magic oiling” a wood floor
- 5 steps for the aftercare of oiled wood floors

\*In order to provide the warranty PALLMANN Profi contractors must use PALLMANN and UZIN products, adhere to strict '5 steps' guidelines and keep records of site conditions for 24 months PALLMANN guarantee form must be completed.



PALLMANN provide a range of premium quality products to ensure the installation and finish of your wood floor is of the highest standard. At PALLMANN you will find us working really hard to phase out solvent-based products, replacing them with lower solvent, water-based products. PALLMANN's water based products are safer and less harmful than traditional solvent-based products, which can damage your health and have a very strong odour.

- Most products in our range are now water-based, which have low solvent (VOC) content and subtle odour.
- Some of our products have no solvent whatsoever and rely on new technology to help shorten drying times.
- We continue to work hard and invest significantly in developing EC1 (very low solvent) compliant products.



"EMICODE" is the emission label of a German building materials association (GEV). "EC 1" marks very low emission installation materials (the highest possible classification in this system) ([www.emicode.de](http://www.emicode.de)).



The "Blue Angel", awarded by the German "Federal Environmental Agency" is the best known and most traditional German environmental label.



# 5 STEPS

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