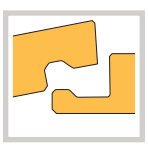
KAINDL BOARDS. **FLOORS.** IDEAS.

UPUTE ZA POLAGANJE



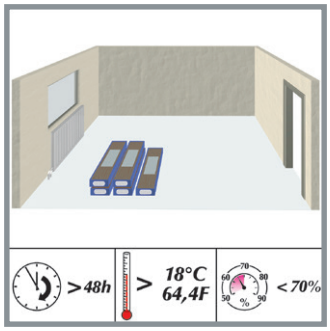
Ovaj profil za polaganje namijenjen je za:

Grupa proizvoda	Proizvod	Format daske	Debljina	Profil za polaganje	Dodatak
NATURAL TOUCH	Premium Plank	1383 x 159 mm	10	Fold Down	
NATURAL TOUCH	Wide Plank	1383 x 244 mm	8	Fold Down	
NATURAL TOUCH	Standard Plank	1383 x 193 mm	8	Fold Down	
EASY TOUCH	Premium Plank	1383 x 159 mm	8	Fold Down	
CLASSIC TOUCH	Wide Plank	1383 x 244 mm	8	Fold Down	
CLASSIC TOUCH	Premium Plank	1383 x 159 mm	8	Fold Down	
CLASSIC TOUCH	Standard Plank	1383 x 193 mm	8	Fold Down	



Profil za polaganje
Fold Down

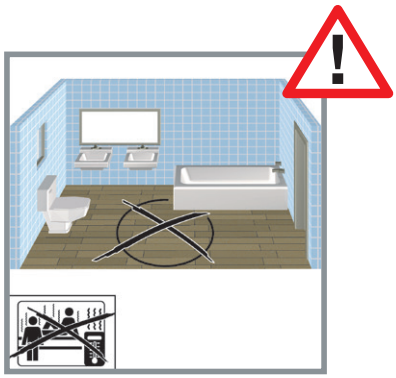
Hrvatski prijevod izradio je Kermek d.o.o. prema originalnim uputama proizvođača. U slučaju nejasnoća ili razlika mjerodavan je izvorni tekst.



Skladištenje:

Proizvod najmanje 48 sati skladištite u prostoriji ili prostorijama u kojima će se polagati. Kaindl laminat treba skladištiti u suhim prostorijama bez vlage. Tijekom transporta kartoni i palete moraju biti zaštićeni od vremenskih utjecaja.

Skladištenje prije polaganja:
Daske skladištite u neotvorenim paketima u sredini prostorije. Neotvorene pakete Kaindl laminata skladištite najmanje 48 sati pri sobnoj temperaturi od najmanje 18 °C (64,4 °F) i relativnoj vlažnosti zraka ≤ 70 %.



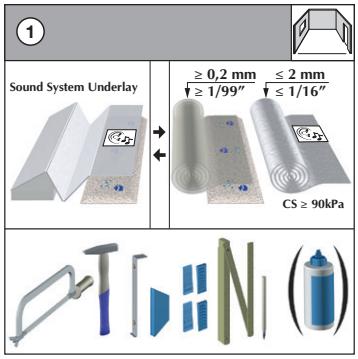
Nije prikladno za mokre prostorije

Laminat se pretežno sastoji od drva. Stalno i ponavljano izlaganje vlazi uzrokuje nepopravljiva oštećenja laminata.



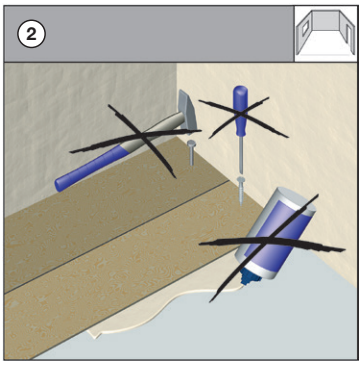
Sirovina

Laminat se proizvodi isključivo od drva iz domaćih šuma (Austrija i Njemačka) kojima se gospodari po načelu trajne održivosti. Sirovine se nabavljaju s područja unutar otprilike 500 km od tvornice.



Potreban alat i materijal za polaganje:

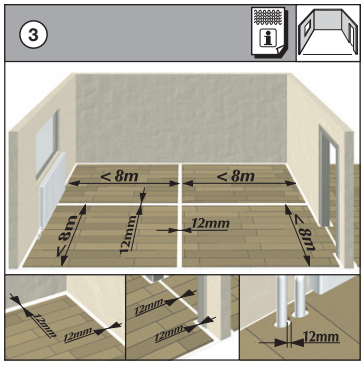
- Parna brana: površina poda + 10 %
- Podložni sloj za zvučnu izolaciju: površina poda + 5 %, tlačna čvrstoća (CS) > 90 kPa
- Pila
- Čekić: najmanje 500 g
- Povlakač
- Klinovi za dilataciju
- Metar
- Olovka



Zabranjeno je pričvršćivati bilo koji dio laminata za podlogu ili za bilo koji drugi predmet

Pod se polaže bez ljepila ili drugih sredstava za pričvršćivanje – pero i utor oblikovani su tako da se mehanički spoje. Daske se ni u kojem slučaju ne smiju lijepiti, čavlati niti na drugi način pričvršćivati za podlogu. Na pod NE postavljajte teške predmete koji bi ga sprječavali da „pliva" te da se prirodno širi i skuplja, kako je predviđeno.

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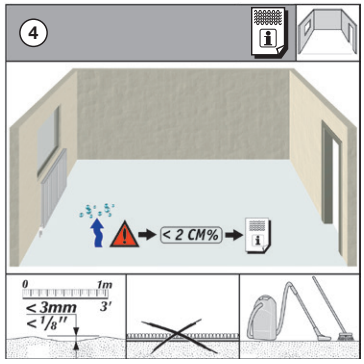
Najveća površina bez dilatacijske fuge

Najveća moguća neprekinuta površina polaganja bez prijelaza iznosi 8 m (26') u smjeru širine dasaka i 8 m (26') u smjeru duljine dasaka.

Veće površine moraju se razdvojiti dilatacijskim fugama širine najmanje 12 mm (1/2"). Laminat se velikim dijelom sastoji od drva. Drvo je higroskopan materijal i uvijek se prilagođava vlažnosti okolnog zraka, zbog čega mu se mijenjaju dimenzije.

Širenje može iznositi do 2 mm/m (1/16" na 3'). To treba uzeti u obzir pri polaganju poda. Uz cijeli rub prostorije potrebno je ostaviti razmak od zida od najmanje 12 mm (1/2"). Između prostorija moraju se izvesti dilatacijske fuge od najmanje 12 mm (1/2"), koje se mogu prekriti posebnim profilima. Razmak od 12 mm (1/2") potrebno je ostaviti i prema fiksnim elementima, npr. radijatorima.

Preuzmite informativni list 4 – Dilatacijske fuge



Zahtjevi za podlogu

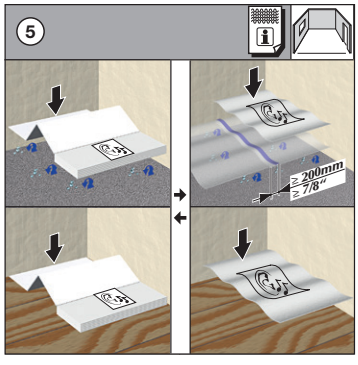
Podloga mora biti suha, ravna, čvrsta i čista.
Ravnost
Podloga mora biti ravna, uz najveće odstupanje od 3 mm/m (1/8" na 3'). Manje neravnine mogu se izravnati podložnim slojem. Neravnine veće od 3 mm/m (1/8" na 3') moraju se izbrusiti ili ispuniti masom za izravnavanje.
Postojeće podloge
Stari fiksno položeni tepisi i tapisoni nehigijenski su i premekani za polaganje laminata te se moraju ukloniti. Na PVC i linoleum laminat se smije polagati samo ako je obloga zalijepljena, nema odvojenih dijelova i ako nema podnog grijanja.
Čistoća
Prije polaganja laminata podloga mora biti potpuno čista i bez ikakvih ostataka.

Polaganje na betonsku/mineralnu podlogu
Budući da vrijeme sušenja ovisi o klimatskim uvjetima, navedena vremena sušenja treba smatrati smjernicama. U svakom slučaju radi sigurnosti treba dodati još dva tjedna. Potpunu sigurnost daje samo odgovarajuće mjerenje, npr.

- CM metoda (karbidna metoda) – podloga, osnovno vrijeme sušenja, preostala vlažnost:
  beton/cementni estrih: okvirno 1 tjedan/cm, 2,0 %
- anhidritni estrih: okvirno 2 tjedna/cm, 0,3 %
- lijevani asfalt: od 18 °C
- magnezitni estrih: do izjednačenja vlage
- mineralna masa za izravnavanje: prema uputama proizvođača

Polaganje na drvene podloge
Drvene konstrukcije moraju biti dovoljno prozračene (4 cm² površine za prozračivanje po svakom m² poda). Drvene podloge (iverica, tvrda vlaknatica, podne daske i sl.) u načelu se ne smiju prekrivati nepropusnim materijalima jer ispod obloge mikroorganizmi nalaze idealne uvjete za razvoj i tako uništavaju pod. Budući da mora biti osigurano dovoljno prozračivanje, na dijelovima uz zid treba prilagoditi drvene letvice tako da zrak može strujati kroz podnu konstrukciju i nakon polaganja poda. Pretpostavka je da će šupljina/prostor ispod konstrukcije biti stalno suh, kako bi se ravnoteža vlage drvene konstrukcije održala neovisno o godišnjem dobu; stoga PE folija kao parna brana nije potrebna.

Preuzmite informativni list 6 – Podno grijanje
Preuzmite informativni list 7 – CM mjerenje



Podloga

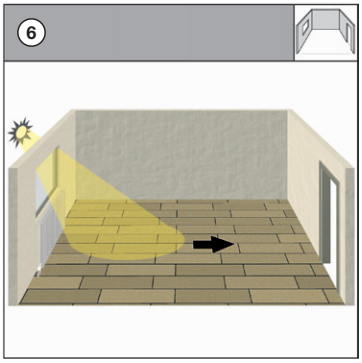
1. PE folija
Kao parna brana protiv vlage koja se diže iz podloge mora se položiti PE folija (polietilenska folija) ili sličan materijal debljine najmanje 0,2 mm. PE foliju postavite s preklopom od 20 mm (1"). Spojeve zalijepite. Foliju podignite 4–5 cm (1½–2") uz zid.

Preuzmite informativni list 1 – PE folija

2. Izolacija od udarnog zvuka
Osim akustičnih svojstava, sustav za izolaciju od udarnog zvuka mora imati i dovoljnu tlačnu čvrstoću (**C**ompressive **S**trength). Zahtjev: CS ≥ 90 kPa ≙ 9 t/m²
Preporučujemo proizvode od materijala XPS (ekstrudirana tvrda polistirenska pjena). Može se koristiti i kombinacija izolacije od udarnog zvuka i parne brane.
Visokokvalitetna Kaindl podloga Sound System 2.2 savršeno je usklađena s vašim novim podom. U jednom proizvodu objedinjuje parnu branu, antimikrobnu zaštitu i izolaciju od udarnog zvuka.

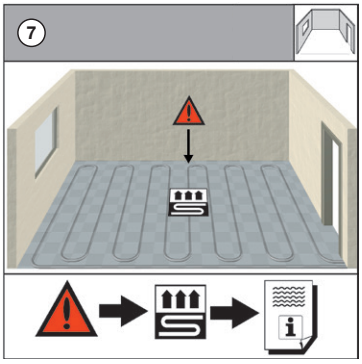
Preuzmite informativni list 2_2 – Sound System 2,2 mm

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Smjer polaganja

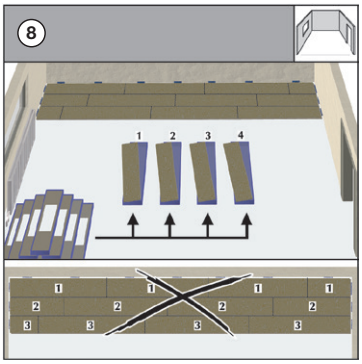
Preporučeni smjer polaganja je uzdužno prema glavnom izvoru svjetla.
Pod se sastoji od više pojedinačnih dasaka. Pri jakom svjetlu pojedinačne daske uvijek su vidljive. Spojevi su vidljiviji kad su postavljeni poprečno nego kad su uzdužno prema izvoru svjetla.
Zbog formata dasaka uzdužno ima manje spojeva nego poprečno. Ovo je samo preporuka jer i druge okolnosti mogu utjecati na smjer polaganja poda.



Polaganje na podno grijanje

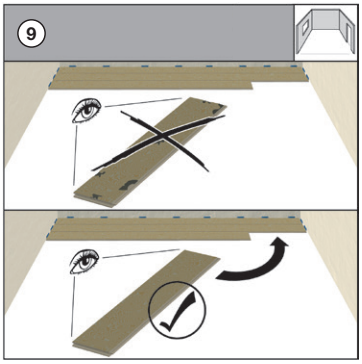
Kaindl laminat može se bez problema polagati na toplovodno podno grijanje. Ako se Kaindl laminat polaže na električno podno grijanje, pogledajte i informativni list o podnom grijanju.

Preuzmite informativni list – Podno grijanje



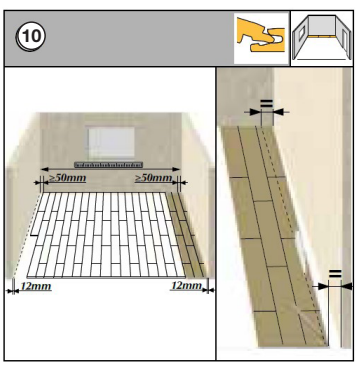
Miješanje dasaka

Pripremite najmanje 4 paketa poda. Tijekom polaganja miješajte daske iz različitih paketa.
Preporučujemo da istodobno naizmjence polažete daske iz četiri različita paketa.
Daske naizmjence miješajte na cijeloj površini poda. Tako se postiže najbolji mogući izgled vašeg Kaindl poda.



Provjera oštećenih dasaka

Prije polaganja uvijek pažljivo pregledajte daske zbog mogućih oštećenja. Provjerite ispravnost boje i dekora, oštećene rubove ili profil za spajanje te sitna oštećenja ili moguće vizualne nedostatke na površini. Daske s manjim oštećenjima mogu se iskoristiti na mjestima gdje se daske moraju rezati.
Polagati treba na dnevnom svjetlu ili uz jednako dobru rasvjetu jer se pri slaboj rasvjeti sitna oštećenja možda neće primijetiti. Za daske koje su već ugrađene reklamacije se ne mogu prihvatiti.

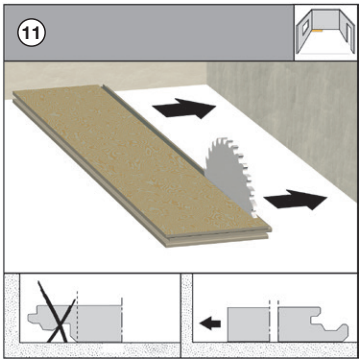


Prvi red dasaka paralelno sa zidom

Prvi i zadnji red moraju biti široki najmanje 50 mm (2”).

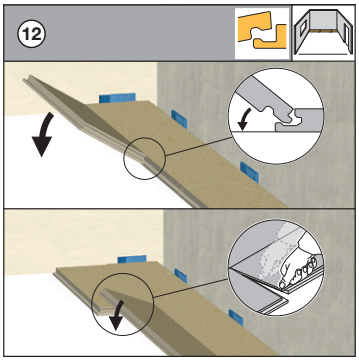
Daske moraju pratiti liniju zida; neravnine od 5 mm (1/5“) označite na prvom redu dasaka pomoću klina za dilataciju. Daske zatim po dužini prepilite prema oznaci. Zadnji red dasaka uz suprotni zid ne smije biti uži od 5 cm (2“); ako bi bio uži, prvi red dasaka treba po dužini suziti. Pazite da razmak od zida bude najmanje 12 mm (1/2“). To uzmite u obzir pri izračunu zadnjeg reda.

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Početak polaganja

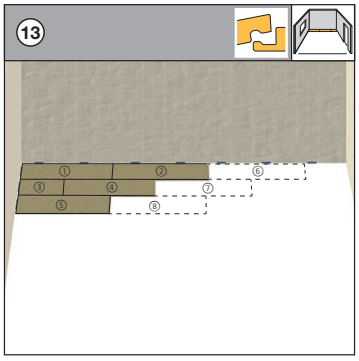
Prvom redu dasaka odrežite pero i daske tim rubom položite uz zid.



Sustav spajanja

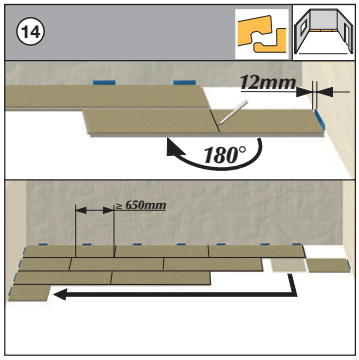
Dasku umetnite pod kutom od otprilike 25° i spustite je da se zaključa.

Sustav spajanja (poprečno)
Prije spuštanja dasku precizno poravnajte s prethodnom.
Palcem je pritisnite da se zaključa.



Polaganje s pomakom u obliku stepenica

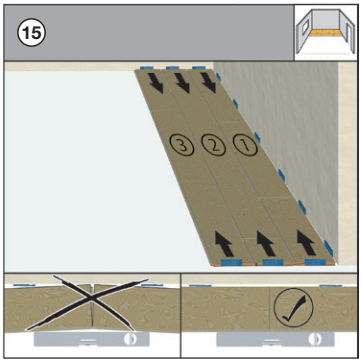
Prva 3 reda dasaka položite prema brojevima na susjednom crtežu.
Tako će prva 3 reda dasaka biti položena paralelno.
To osigurava stabilan i ravnomjerno poravnat početak.



Polaganje s pomakom spojeva

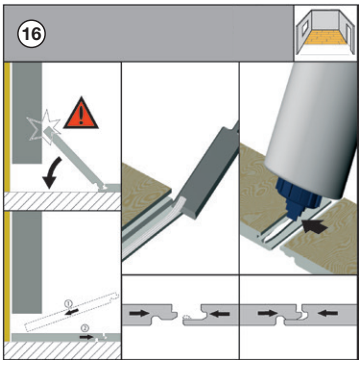
Označite duljinu zadnje daske u svakom redu tako da se postigne najmanji potreban pomak prema sljedećim redovima.
Za precizno rezanje zadnje daske u redu okrenite dasku za 180° i položite je dekorom prema gore uz već položeni red. Uračunajte razmak od zida na kraju daske. Označite višak i odrežite ga.
Uvijek pilite s gornje strane daske (kako se rubovi ne bi okrhnuli); samo kad koristite električnu ubodnu pilu ili ručnu kružnu pilu, dasku okrenite dekorom prema dolje.
Svaki red započnite ostatkom daske iz prethodnog reda. Čeoni spojevi moraju imati odgovarajući pomak (najmanje 16”). Pomak spojeva daje stabilnost položenom podu.

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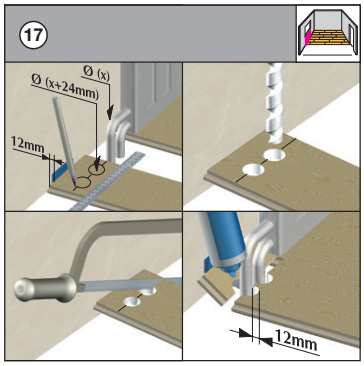
Učvršćivanje prema zidu

Klinovima za dilataciju učvrstite redove prema zidovima kako bi bili točno poravnati.
Položite prva 3 reda dasaka prije nego što ih pomaknete u konačni položaj. Tako se postiže čvrst spoj među elementima. Nakon preciznog pozicioniranja redove klinovima učvrstite prema zidovima. Tako se redovi neće pomicati.



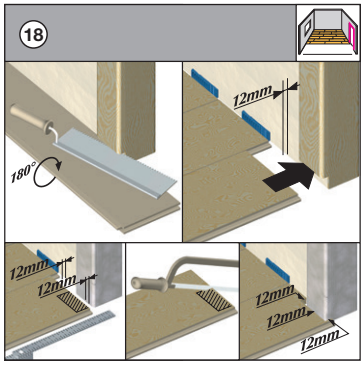
Kad daske nije moguće spojiti pod kutom

Posebni slučajevi: ako daske ne možete spojiti pod kutom (npr. ispod dovratnika ili nisko postavljenog radijatora), dlijetom ili malim ručnim blanjačem odrežite zaključni rub donje usne utora. Na prilagođeno pero i utor nanesite tanki trag ljepila. Daske čekićem i udarnim blokom ili povlakačem čvrsto spojite. Ako je potrebno, učvrstite ih ljepljivom trakom.



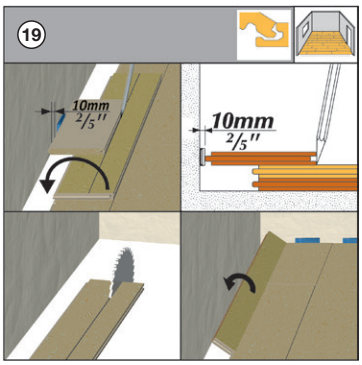
Polaganje uz cijevi grijanja (najmanji razmak 12 mm (½“))

Red dasaka postavite tako da se poprečni spoj poklapa s cijevi.
Odrezani komad ponovno čvrsto spojite iza cijevi grijanja (pomoću klina za dilataciju).
Red dasaka postavite tako da se poprečni spoj poklapa s cijevi.
Dasku najprije odrežite na točnu duljinu. Zatim komad daske položite uz stvarni položaj, ravnalom izmjerite izreze i ucrtajte ih.



Polaganje uz drvene dovratnike
Najmanji razmak 12 mm (1/2“)
Dasku položite uz dovratnik (dekorom prema dolje). Ravnom ručnom pilom zarežite dovratnik. Zatim dasku dekorom prema gore uvucite ispod dovratnika. I ovdje ne zaboravite ostaviti prostor za pomicanje od 12 mm (1/2“).

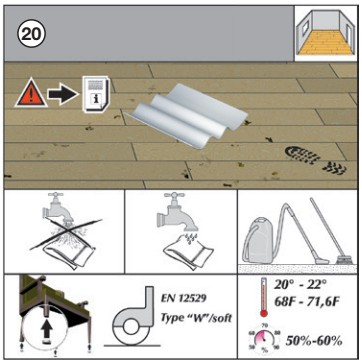
Polaganje uz metalne dovratnike
Najmanji razmak 12 mm (1/2“)
Dasku položite uz dovratnik (dekorom prema dolje). Ravnom ručnom pilom zarežite dovratnik. Zatim dasku dekorom prema gore uvucite ispod dovratnika. Ne zaboravite ostaviti dilataciju od najmanje 12 mm (1/2“).



Zadnji red dasaka

Dasku položite točno na prethodni red. Na nju položite drugu dasku (izvorne širine) i povucite točnu liniju za rezanje. Odrežite višak. Dasku spojite po dužini. Najmanja dilatacija 1,5 mm po dužnom metru (1/16” na 3’), odnosno 12 mm (1/2”). Dasku umetnite po dužini i spustite.

Hrvatski prijevod izradio je Kermek d.o.o. prema originalnim uputama proizvođača. U slučaju nejasnoća ili razlika mjerodavan je izvorni tekst.



Njega

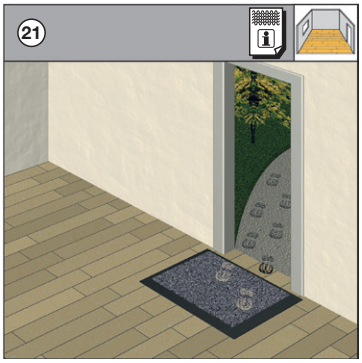
Bez mokrog čišćenja. Na noge namještaja postavite filcane podloške. Održavajte optimalnu klimu u prostoriji.

Kaindl laminat vrlo je higijeničan i jednostavan za održavanje. Ipak, pridržavajte se sljedećih pravila: za svakodnevnu njegu dovoljno je pomesti ili usisati. Otiske stopala i prljavštinu lako ćete ukloniti vlažnom krpom. Koristite dobro iscijeđenu, vlažnu krpu. Pod se ni u kojem slučaju ne smije čistiti mokrom krpom ili mopom niti natapati tekućinom.

Stvrdnuti ostaci ljepila mogu se ukloniti acetonom ili posebnim otapalom za ljepilo, a mogu se koristiti i uobičajena kućanska sredstva za čišćenje; izbjegavajte abrazivna sredstva, vosak i polir. Za redovito čišćenje i održavanje preporučujemo Kaindl sredstvo za čišćenje podova. Veća onečišćenja i tvrdokorne mrlje, poput boje, ljepila, laka za nokte ili ulja, lako se uklanjaju acetonom ili drugim otapalima koja sadrže alkohol.

Održavanje

Posude s cvijećem stavite na vodootporne podmetače. Na noge namještaja postavite filcane klizne podloške. Namještaj na kotačićima treba imati meke gumene kotačiće (tip W) u skladu s normom DIN 12529.

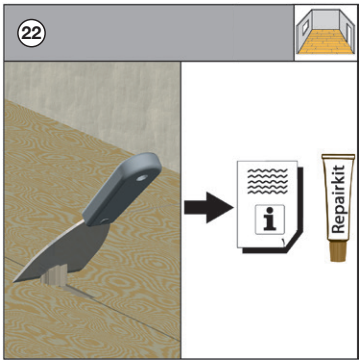


Sprječavanje unošenja prljavštine

U prostore u koje se unosi blato, npr. na ulazu, postavite otirače ili tepihe za hvatanje prljavštine. U poslovnim prostorima moraju se postaviti zone za čišćenje obuće duljine najmanje 4 m (13,12‘).

Otirači koji upijaju prljavštinu osiguravaju da na pod dospije samo uobičajena količina prljavštine. Unesena prljavština, npr. sitni mineralni ostaci (kamenčići), oštećuje pod jer djeluje poput brusnog papira.

Preuzmite informativni list 11 – Očuvanje vrijednosti i njega



Popravak manjih oštećenja

Ako nastanu manja oštećenja poput pukotina ili udubljenja, možete ih sami popraviti kompletom za popravak u odgovarajućoj boji.

Time se kvaliteta poda neće smanjiti. Veća oštećenja ipak treba popraviti stručnjak.

Hrvatski prijevod izradio je Kermek d.o.o. prema originalnim uputama proizvođača. U slučaju nejasnoća ili razlika mjerodavan je izvorni tekst.

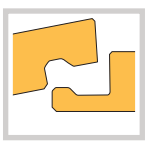
KAINDL BOARDS. **FLOORS.** IDEAS.

INSTALLATION INSTRUCTIONS

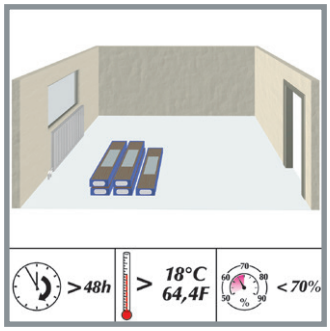


This installation profile is for:

Product group	Product	Plank Format	Thickness	Installation profile	Addition
NATURAL TOUCH	Premium Plank	1383 x 159 mm	10	Fold Down	
NATURAL TOUCH	Wide Plank	1383 x 244 mm	8	Fold Down	
NATURAL TOUCH	Standard Plank	1383 x 193 mm	8	Fold Down	
EASY TOUCH	Premium Plank	1383 x 159 mm	8	Fold Down	
CLASSIC TOUCH	Wide Plank	1383 x 244 mm	8	Fold Down	
CLASSIC TOUCH	Premium Plank	1383 x 159 mm	8	Fold Down	
CLASSIC TOUCH	Standard Plank	1383 x 193 mm	8	Fold Down	



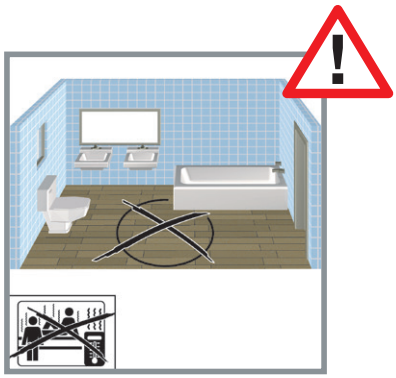
Installation profile
Fold Down



Storage:

Store in the room/s which the product will be installed for a minimum of 48 hours Kaindl Laminate flooring should be stored in Moisture free, dry rooms. For During transportation it is necessary that the cartons and pallets are protected from the weather.

Storage before installation:
The panels should be stored unopened in the middle of the room. Please store the unopened Kaindl Laminated Flooring packs at a room temperature of at least 18°C (64,4°F) and a relative humidity of ≤ 70% for minimum of 48 hours.



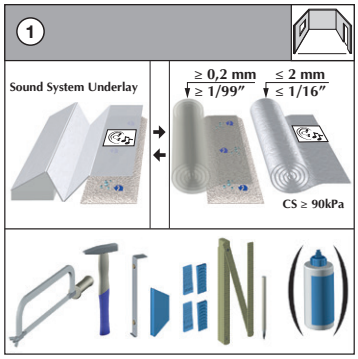
Not suitable for wet areas

Laminate Flooring consists predominantly of wood. Continual and repetitive exposure to dampness causes irreparable damage to the laminate flooring.



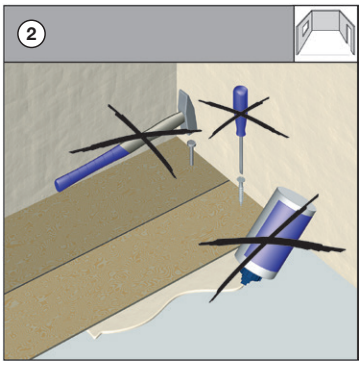
Raw material

The laminate flooring is manufactured exclusively from timber which is a product of domestic (A and D) forests managed on the basis of permanent sustainability. Raw materials are sourced from an area within approximately 500 km from the factory.



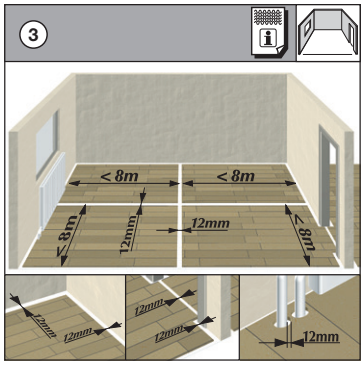
Needed installation tools:

- Vapor barrier: Floor area +10%
- Sound underlayment: Floor area +5%, compressive strength (CS) > 90 kPa
- Saw
- Hammer: at least 500 gr.
- Pull Bar
- Spacer
- Measuring device
- Pencil



It is prohibited to affix any part of the Laminate Flooring to the subfloor or any other object

The flooring should be laid without the use of any adhesives or other means of attachment - the tongue and groove are designed to mechanically locked together. Under no circumstances should the panels be glued, nailed, or otherwise affixed to the subfloor. NO heavy objects should be placed on top of the floor that would prohibit the floor from floating and expanding/contracting naturally, as it is designed to.



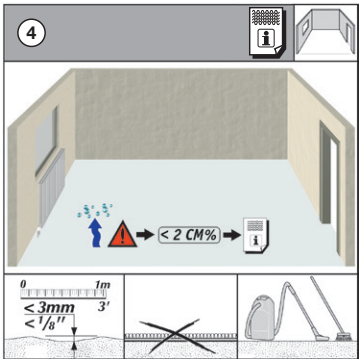
Maximum span without expansion gap

The largest possible continuous installation area without transition is 8m (26') in the direction of the panel width and 8m (26') in the direction of the panel length.

Larger areas must be separated by expansion joints of at least 12 mm (1/2“) . Laminate flooring consists largely of wood. Wood is a hygroscopic material and always adapts to the ambient humidity, which in turn results in a change in dimension.

The expansion can reach up to 2 mm/m (1/16” on 3'). This fact should be considered from a construction viewpoint when laying the flooring. A minimum distance of 12 mm (½“) from the wall must be maintained around the perimeter. Expansion joints of at least 12 mm (½“) must be provided between rooms. These expansion joints can be covered with special profiles. A distance of 12 mm (½“) to fixed installations, e.g. radiators, must also be maintained.

Download Info sheet 4 Expansion Joints



Subfloor requirements

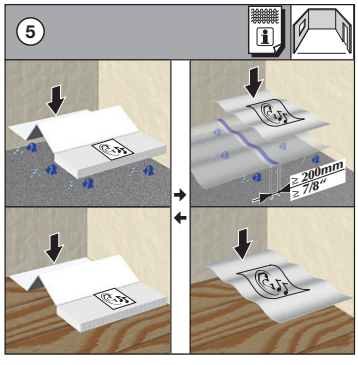
Dry, level, firm and clean sub floor.
Evenness
The sub-floor has to be even to a maximum of 3 mm/m (1/8” on 3'). Small differences in floor level can be adjusted with an underlay. Unevenness in floor level of more than a maximum of 3 mm/m (1/8” on 3') must either be sanded down or filled in with filling/leveling compound.
Existing Subfloors
Old fixed carpets, Needle felt carpets are unhygienic and too soft for installing laminate flooring over and must be removed. An installation on PVC and linoleum- coating can only be done-, if the floor is glued down and has no loose areas and if there is no underfloor heating.
Cleanness
The subfloor has to be absolutely clean before installing the laminate and free of any debris.

Installation on concrete/mineral compound subfloor
As the duration of drying depends on climatic conditions, the stated drying periods are to be considered as guidelines. In any case, for safety purposes, two weeks should be added. Absolute certainty can only be guaranteed by adequate measuring e.g.

- CM method (calcium carbide method). Base Drying Period Remaining Humidity
  CM-concrete c.f.1 week/cm 2.0%
- anhydrate c.f. 2 weeks/cm 0,3%
- Poured asphalt from 18 supo/supC
- magnesia c.f. humidity balance
- mineral filler prod. instructions

Installation on wood subfloors
Wooden constructions must be sufficiently ventilated (4cm²/sup_ ventilation area per each m²/sup_ of flooring). Principally sub-floors consisting of wood (chipboard, hardboard and floorboard etc.) must not be covered with airtight materials as beneath the covering the microorganisms find ideal conditions to exist thereby ruining the floor.
Since sufficient ventilation must be allowed, in sections of the installation near the wall wooden strip must be adjusted to allow for ventilation to pass through floor construction, including after the floor is installed. It must be presumed that the existing hollow/space underneath the construction will be constantly dry, to guarantee the balance of moisture of the wooden construction independent of the seasons, and thereby PE film as vapor absorption will not be needed.

Download Info sheet 6 Underfloor heating
Download Info sheet 7 CM-Measuring



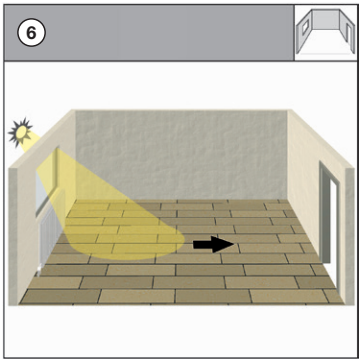
Subfloor

1. PE Film
A PE film (polyethylene film) or similar of at least 0.2 mm thickness must be laid as a vapor barrier against rising moisture. Allow the PE film to overlap by 20 mm (1“). Glue joints together. Pull the film 4-5 cm (1½ - 2“) up the wall.

Download Info sheet 1 PE Foil

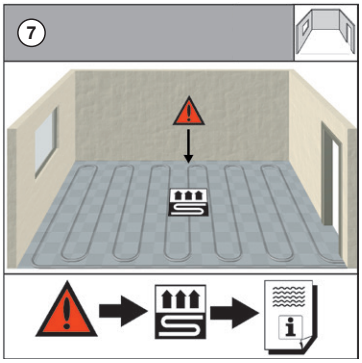
2. Impact Sound Insulation
Apart from the acoustic properties, the impact sound insulation system must have a sufficient **C**ompressive **S**trength. Requirement: CS ≥ 90 kPa ≙ 9to / m²
We recommend products made of the material XPS (extruded polystyrene hard foam). A combination of impact sound and vapor barrier can also be used.
The high-quality Kaindl Sound System pad 2.2 is perfectly matched to your new floor. It has a vapor barrier, anti-microbial and impact sound in one.

Download Info sheet 2_2 Sound System 2.2mm



Laying Direction

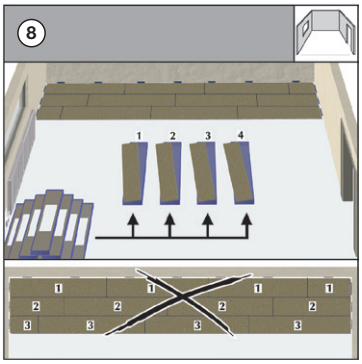
Recommended installation direction is lengthwise to the main light source.
Flooring consists of several individual boards. The single planks can always be seen in strong light.
The joints are more visible crosswise than lengthwise to the light source.
Because of the panel format there are less joints in the length than in the width. This is only recommended because there are also other circumstances that may influence the laying direction of the flooring.



Installation in conjunction with underfloor heating

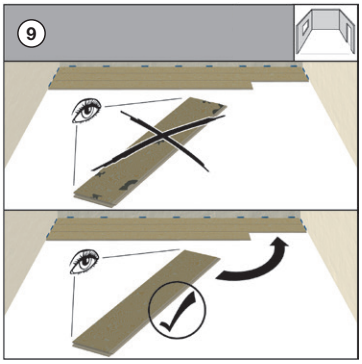
Kaindl laminate flooring can be installed trouble-free in conjunction with hot water underfloor heating systems. In Case that Kaindl laminate flooring should be installed in conjunction with electric underfloor heating. Please also see the information sheet on underfloor heating.

Download Info sheet Underfloor heating



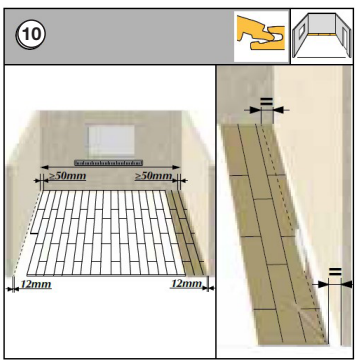
Panel mixing

Prepare at least 4 packs of flooring. Mix panels from different packs during installation.
We recommend alternate fitting of the panels from four different packs at the same time.
Keep alternating the panels across the entire floor area. This guarantees the best possible appearance of your Kaindl flooring product.



Check for defective panels

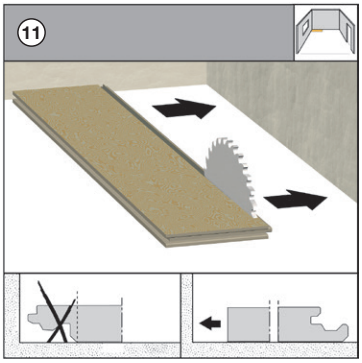
Always carefully inspect the panels for damage before installation. Check for Color correctness, décor accuracy damaged edges or locking profile, or any small damages or possible visual imperfections on the surface. Panels with minor damage can be used in situations were the panels have to be cut.
The installation should be done using daylight or equivalent good lighting, as it is possible that small damages may not be recognized in poor lighting. No claims can be accepted in the case of panels which have already been used.



First panel row parallel towards the wall

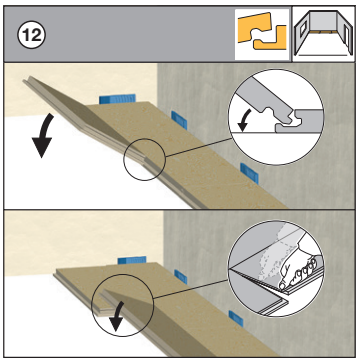
Please insure a minimum of > 50 mm (> 2'') width of the first and last row.

The panels must follow the course of the wall; unevenness 5 mm (1/5“) must be marked on the first row of panels using a spacer. The panels have to be sawn lengthways following the marking. The last row of panels at the opposite wall should not be less than 5 cm (2“) wide, if so, the width of the first row of panels should be cut down lengthways to avoid this. Please make sure that there is a minimum distance to the wall of 12 mm (½“). Bear this in mind when calculating the last row.



Installation start

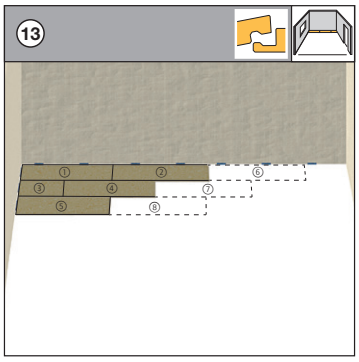
Remove the tongue of the first panel row and lay it against the wall.



Conection system

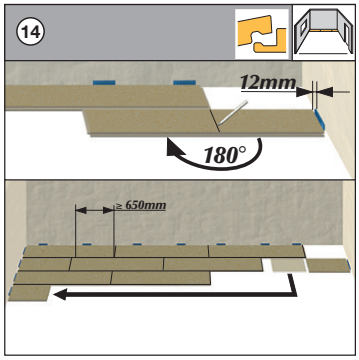
Insert the panel at an angle of approx. 25° degrees and lower the panel to lock into place.

Conection system (transversal)
Line the panel up exaktly in line with the previous before lowering into place.
Use your thumb to lock it into place.



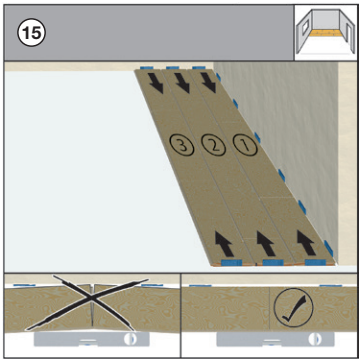
Installation with stair-stepping offset

Install the first 3 rows of panels according to the numbers in the adjacent drawing.
This will ensure that the first 3 rows of planks will be installed parallel.
This ensures a stable and consistently aligned beginning.



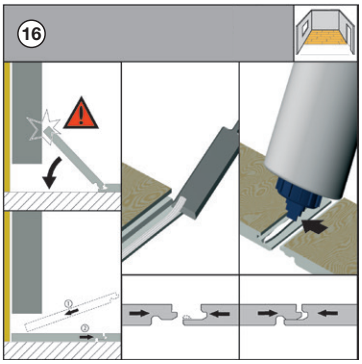
Offset installation

Mark length, of last panel in each row to allow for minimum offset to the following rows.
For accurate cutting of the last panel in the row, rotate the panel 180° degrees; and with the pattern side upwards, place beside the already installed row. Allow for distance from wall at end of panel. Mark out offcut and saw off.
Always saw from the upper surface of the panel (to avoid splintering the edges) only when using an electric jig saw or a hand-held circular saw should the patterned side be placed facing downwards.
Start each row with the left-over piece from the preceding row. The short-end joints must be set in an appropriate offset (minimum 16”). Because of the offset there is stability in the llaying.



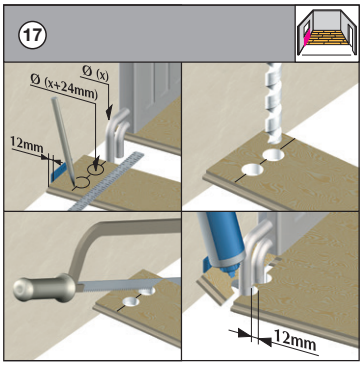
Fixing towards the wall

Fix towards the walls by using spacers to achieve exact leveling of the rows.
Install the first 3 Panel rows before putting them in the final position. This guarantees you a tight connection between the elements. After exact positioning, fix the rows with spacers towards the walls. This protects the rows against moving.



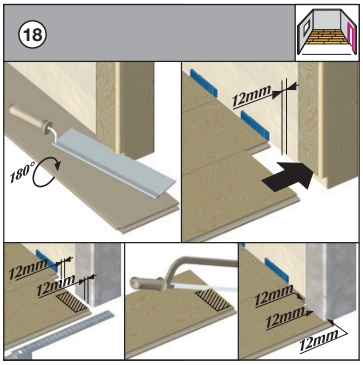
No possibility to angle the panels

Special cases: If you are not able to angle the panels (e.g. under a door frame or low fitted radiator) you have to cut away the locking edge of lip of the bottom groove by using a wood chisel or a small block plane. Run a bead of glue on the modified tongue and groove. Tap the panels tight together by using a hammer and push block or pull-bar. If necessary, affix it with an adhesive tape.



Installation towards heating pipes (Minimum distance 12 mm (½))

Position the panel row so that a transverse joint coincides with the pipe.
Join up the sawn off piece again tightly behind the heating pipe (using the spacer).
Position the panel row so that a transverse joint coincides with the pipe.
First cut the panel to the correct length. Then lay the panel section beside the actual position, measure the recesses with the ruler and draw in.

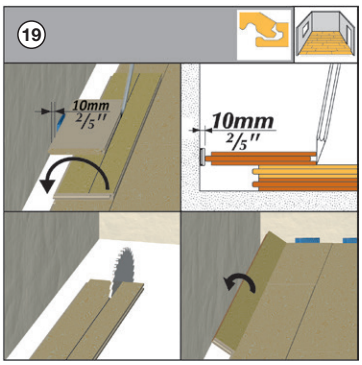


Installation towards wooden door frames

Minimum distance 12 mm (½“)
Lay a panel next to the door frame (with the patterned side facing downwards) Cut into the door frame with the straight back saw. Then slide the panel under the frame with the patterned side upwards Don‘t forget to allow for freedom of movement here too 12 mm (½“).

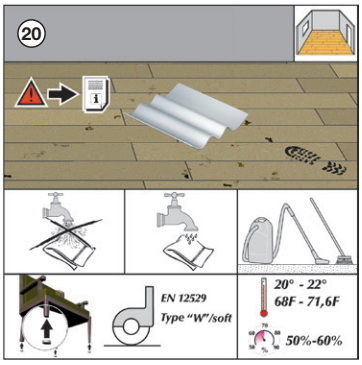
Installation towards metal door frames

Minimum distance 12 mm (1/2“)
Lay a panel next to the door frame (with the patterned side facing downwards) Cut into the door frame with the straight back saw. Then slide the panel under the frame with the patterned side upwards Don‘t forget to allow for expansion space of minimum 12 mm (1/2“).



The final panel row

Lay a panel exactly on the previous row. Lay a second panel (original width) on the top of it and draw an exact line for cutting. Cut away excess wood. Join the panel lengthways. Minimum expansion gap 1.5 mm/lm (1/16” on 3’) of 12mm (1/2”). Insert the panel lengthways and lower down.



Care

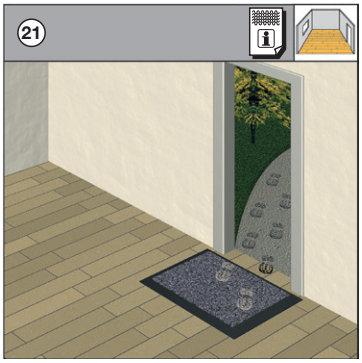
No wet cleaning. Use felt protectors for furniture feet. Maintain optimum room climate.

The Kaindl laminate floor is very hygienic and easy to care for. Please, however, give the following rules your attention: For daily care, sweeping or vacuuming will suffice. Footprints and dirt can easily be removed with damp cloth. Please use a well-wrung out; damp cloth. Under no circumstances should the floor be cleaned with a wet cloth or mop or be soaked with liquid.

Hardened glue-residue can be removed with acetone or a special glue solvent or usual household cleaners may be used, please avoid scouring agents, wax or polish. For regular cleaning and preservation we recommend Kaindl-Floor Cleaner. Larger soiling and persistent stains like color, glue, nail varnish or oil can easily be removed using acetone or any other alcohol containing solvents.

Maintenance

Put flower pots on water resistant mats. Furniture legs ought to be fitted with felt gliding pad. Rolling furniture should have soft rubber rollers (type W) in accordance with DIN 12529.

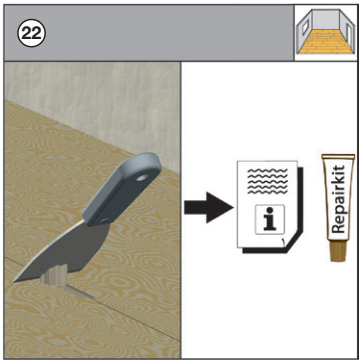


Prevent dirt ingress

Please place in areas exposed to mud e.g. the entrance dirt traps or mats. Cleaning zones must be installed in commercial use areas. Minimum length 4 m (13,12‘).

Dirt absorbing mats ensure that only an average amount of dirt comes on the floor. Dirt ingress e.g. fine minerals (little stones) damage your floor because they work like sand paper.

Download Info sheet 11 Value Retention and care



Repair of small damages

Should minor damages such as cracks or indentations occur, you can take care of it yourself with a color coordinated repair-set.

This won‘t reduce the quality of the floor. Greater damage, however, should be repaired by a trained professional.