



Installation guide

# - TERRACE +

29/09/09 V2.1

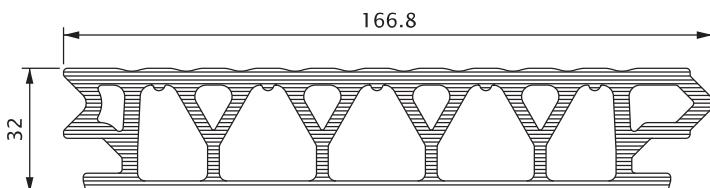
EN NL FR DE



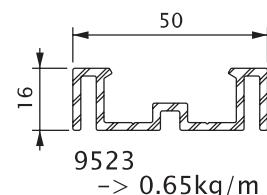
[www.Twinson.net](http://www.Twinson.net)



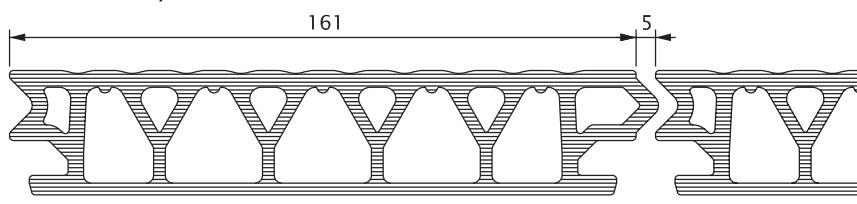
## O-TERRACE+: MAIN PROFILES



9520  
 -> 6m/m<sup>2</sup>  
 -> 2.95kg/m  
 -> 17.71kg/m<sup>2</sup>  
 -> Ix: 26.89cm<sup>4</sup>  
 -> ly: 524.45cm<sup>4</sup>



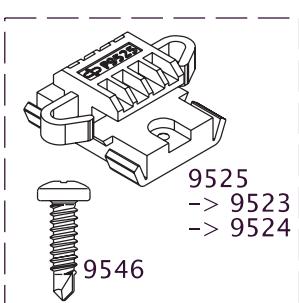
9523  
 -> 0.65kg/m



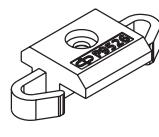
9524  
 -> 2.18kg/m  
 -> Ix: 56.38cm<sup>4</sup>  
 -> ly: 26.09cm<sup>4</sup>

## O-TERRACE+: ACCESSORY PROFILES

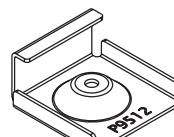
9520



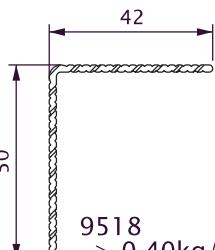
9494  
 -> 100 x 9525  
 -> 100 x 9546  
 -> 1 bit PH2



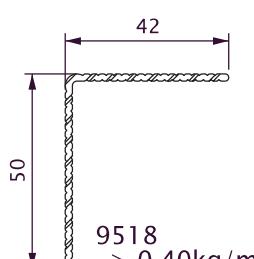
9526  
 -> wood



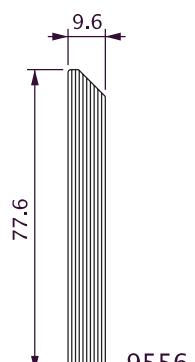
9512  
 -> inox A2



9513  
 -> inox A4

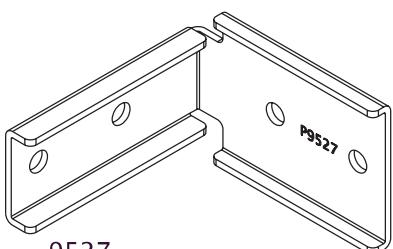


9518  
 -> 0.40kg/m



9556

## MISCELLANEOUS

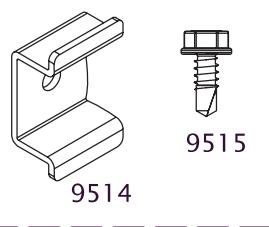


9527  
 -> inox A2

9531  
 -> inox A4



9515



9489  
 -> 10 x 9514  
 -> 10 x 9515

9495  
 -> 10 x 9527  
 -> 40 x 9515

9496  
 -> 10 x 9531  
 -> 40 x 9515

## General information

### Maintenance and cleaning.

**EN** It is always best to remove marks immediately using water, a mild cleaner and a sponge. In most cases, your O-Terrace+ deck can be cleaned with just a high pressure cleaner combined (if necessary) with a mild cleaning agent. For food marks (ketchup, wine, soup, fruit juice, cola, coffee, tea,...) scrub well with diluted bleach solution, then rinse with a large quantity of water. O-Clean cleaner is appropriate for most of oily marks, butter, silicone and glues. For more information please visit our website [www.twinson.net](http://www.twinson.net) and look for the document "Chemical resistance and cleanability Twinson" + FAQ.

### Onderhoud en reinigbaarheid

**NL** Het is raadzaam om vlekken van gelijk welke aard steeds zo snel mogelijk te verwijderen met water, een mild reinigingsproduct en een spons. In de meeste gevallen is O-Terrace+ al proper met enkel een hogedrukreiniger (geen vuilfrees), eventueel in combinatie met een mild reinigingsproduct. Voor voedselvlekken (ketchup, wijn, soep, fruitsap, cola, koffie, thee, ...): gebruik een verdunde bleekwateroplossing, goed schrobben en daarna overvloedig afspoelen met water. O-Clean reinigingsproduct kan gebruikt worden voor de meeste olievlekken, boter, silicone en lijm. Voor meer informatie surf naar onze website [www.twinson.net](http://www.twinson.net) voor het document "Chemische resistentie en reinigbaarheid" + FAQ.

### Entretien et nettoyage

**FR** Il est toujours préférable de nettoyer la tâche le plus tôt possible, avec de l'eau, un nettoyant doux et une éponge. La plupart du temps, votre terrasse O-Terrace+ peut être nettoyée à l'aide d'un nettoyeur haute pression, au besoin associé à un produit de nettoyage doux. Pour effacer des tâches alimentaires telles que le ketchup, le vin, le jus de fruits, le coca, le café, le thé, ..., il convient de bien brosser la lame avec un produit à base d'eau de javel diluée, puis rincer à grande eau. Le nettoyant O-Clean est efficace pour nettoyer la plupart des tâches d'huile, de beurre, de silicone et de colle. Pour plus de renseignements, consultez notre site internet sur [www.twinson.net](http://www.twinson.net) et lisez le document "Résistance chimique et entretien Twinson", ou la Foire aux Questions.

### Wartung und Reinigung

**DE** Flecken sollten so schnell wie möglich entfernt werden. Das kann mit Wasser, einem milden Reinigungsmittel und einem Schwamm geschehen. Meistens reicht für die Reinigung Ihrer O-Terrace+ Terrasse ein Hochdruckreiniger, eventuell mit einem milden Reinigungsmittel versetzt. Für Nahrungsmittel (Ketchup, Wein, Suppe, Fruchtsaft, Cola, Kaffee, Tee,...) nehmen Sie eine verdünnte Chlorwasserlösung. Gut schrubben und dann ausgiebig mit Wasser abspülen. Der O-Clean Reiniger ist für die meisten Ölklecksen, Butter, Silikon und Kleber geeignet. Für weitere Informationen besuchen Sie bitte unser Website: [www.twinson.net](http://www.twinson.net) und schauen sich das Dokument "Chemische Resistenz und Reinigungsmöglichkeiten von Twinson" und die FAQ an.

## VISUAL ASPECT / VISUEEL ASPECT / ASPECT VISUEL / OPTIK

**EN** Twinson is a semi natural product therefore subject to variants in colour and character.

Product exposed outside will start to stabilise and continue during installation. Planks should be mixed prior to installation to gain a natural effect. Brushed finishes and unbrushed finishes will ultimately become the same colour.

**NL** Twinson is een semi-natuurlijk product, onderhevig aan kleur- en karakterverschillen. Het product wordt buiten geïnstalleerd waardoor het zal verkleuren en verder stabiliseren tijdens en na de montage.

De planken moeten gemengd worden voor installatie om een natuurlijk effect te bekomen. Geborstelde en niet-geborstelde afwerking zal uiteindelijk hetzelfde kleur bekomen.

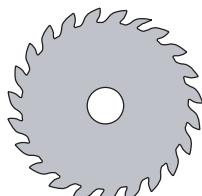
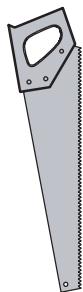
**FR** Twinson est un produit semi naturel, la couleur et l'apparence peuvent évoluer. La couleur se stabilisera une fois le produit installé à l'extérieur. Pour obtenir un aspect homogène, il est toujours préférable de mixer les planches entre elles avant installation. A terme, les zones brossées et non brossées deviendront de la même couleur.

**DE** Twinson ist ein halbnatürliche Produkt mit unterschiedlichen Farb- und Oberflächeneigenschaften.

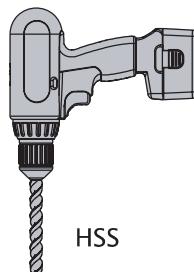
Durch die Verwendung im Außenbereich gleichen sich diese nach der Installation an. Um einen natürlichen Effekt zu erzielen, sollten die Profile vor der Fixierung gemischt werden. Gebürstetes und ungebürstetes Material wird sich mit der Zeit angleichen.

## General information

### TOOLS



Carbide  
Carbid  
Carbure  
Hartmetall



HSS



Two part PU glue

-> please degrease and roughen the surface in advance

Twee componentenlijm PU

-> oppervlak vooraf ontvetten en ruw zetten

Colle PU à double composant

-> dégraissier et nettoyer la surface au préalable

Zwei-Komponenten PU-Klebstoff

-> bitte die Oberfläche vorher entfetten und aufrauen

### INSTALLATION



> 0°C

### GENERAL

Stock in warehouse



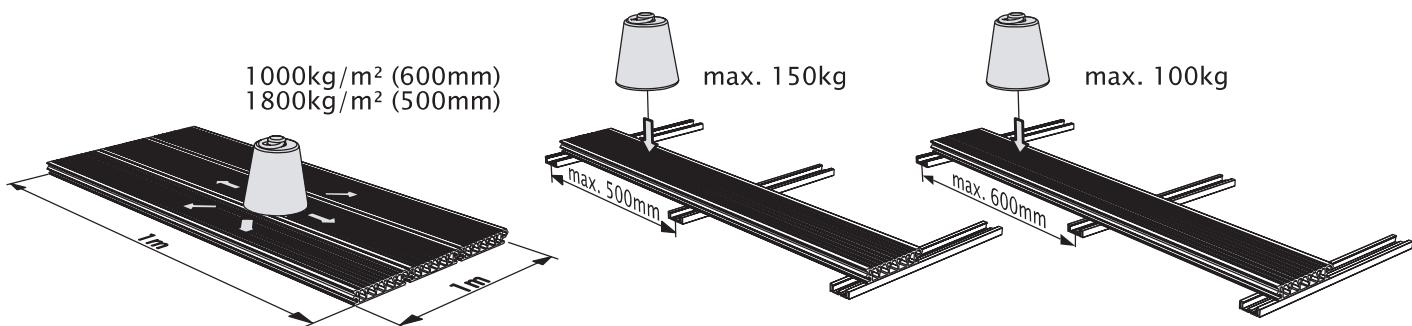
Acclimatize 24 hours before installation  
24 uur voor installatie acclimatiseren  
Acclimater pendant 24 h avant l'installation  
24 Stunden vor Installation akklimatisieren

Recommended safety equipment

Aanbevolen veiligheidsmateriaal

Un équipement de sécurité est recommandé

Empfohlene Sicherheitsausrüstung



### REMARK/BELANGRIJK/IMPORTANT/WICHTIG

 (EN) Before installing, always check if you have the latest version of this installation guide on [www.twinson.net](http://www.twinson.net)

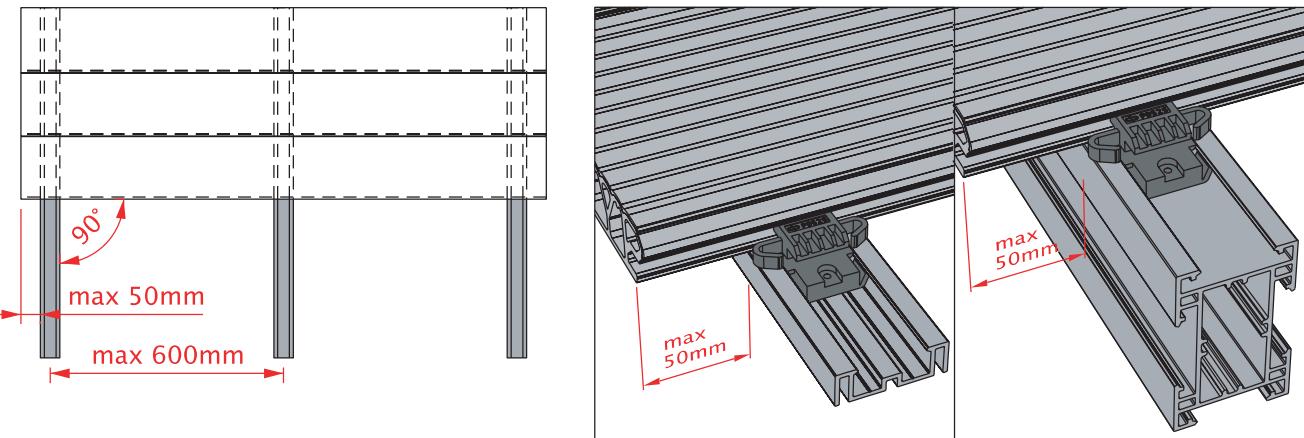
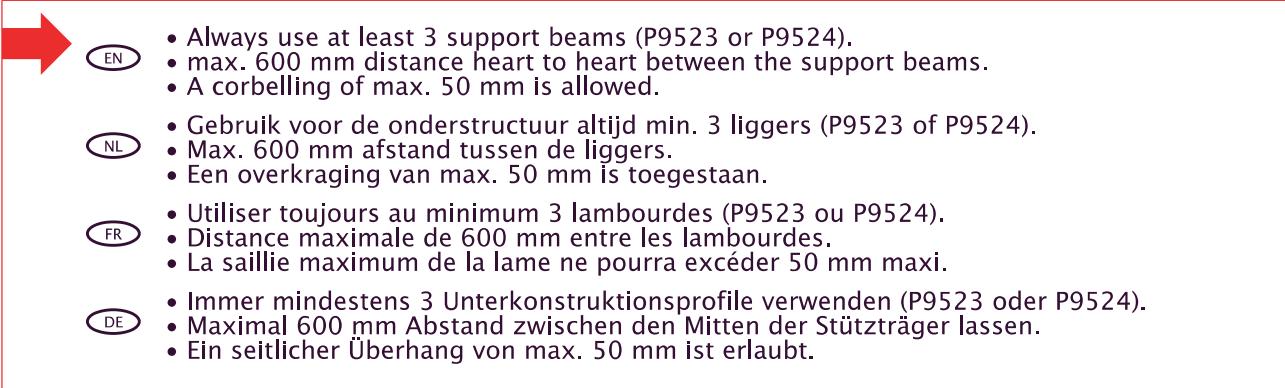
(NL) Alvorens te beginnen, controleer altijd dat U in het bezit bent van de laatste versie van deze handleiding op [www.twinson.net](http://www.twinson.net)

(FR) Avant de commencer, vérifier si vous avez la dernière version de ce guide sur [www.twinson.net](http://www.twinson.net)

(DE) Bevor Anfang, überprüfen Sie die letzte Version der Instruktionen auf [www.twinson.net](http://www.twinson.net)

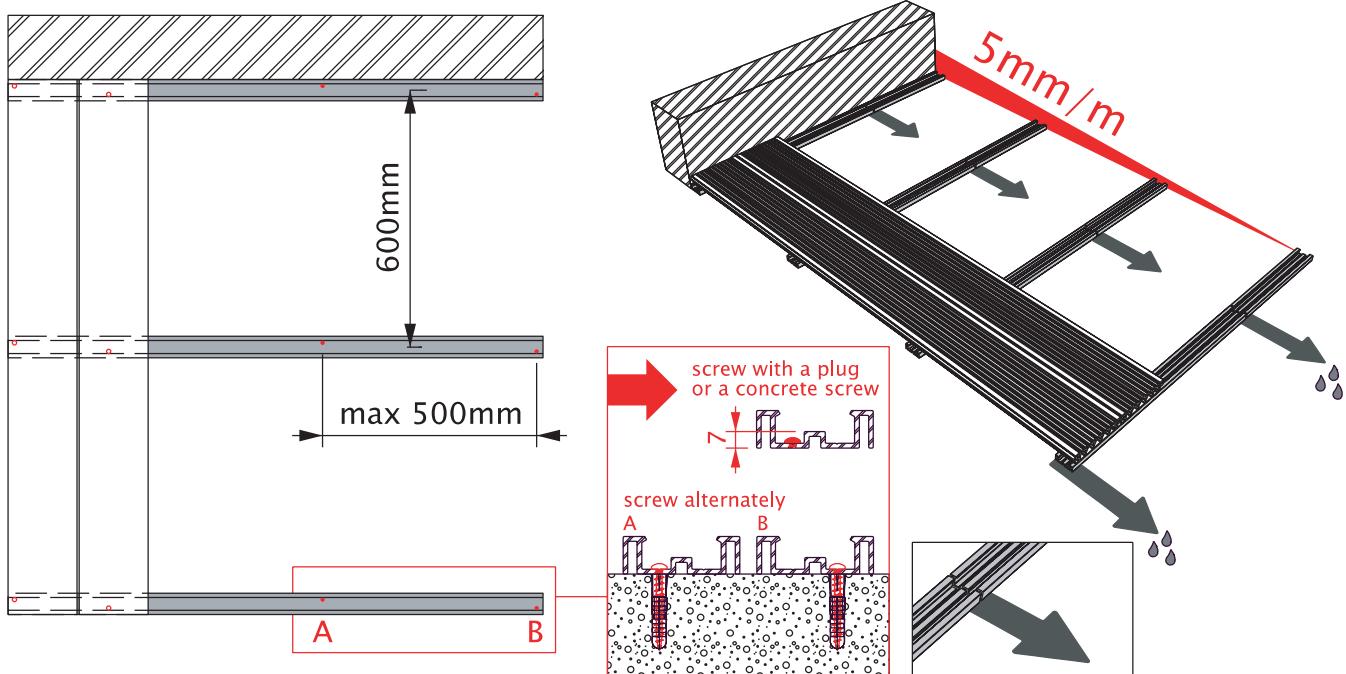
# Preparation of installation

## GENERAL RULES

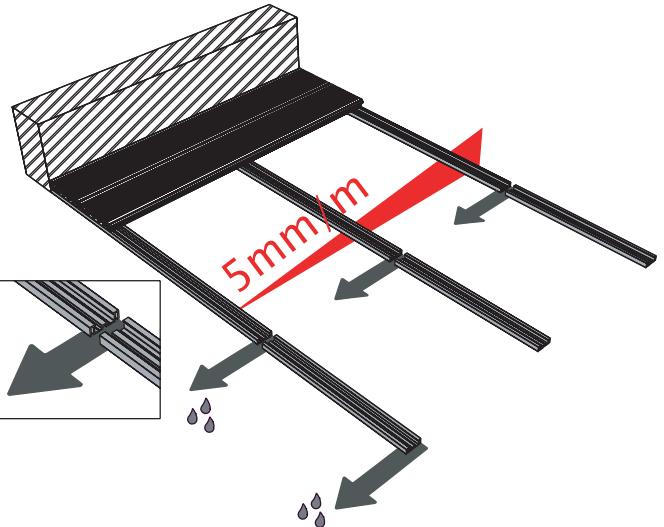
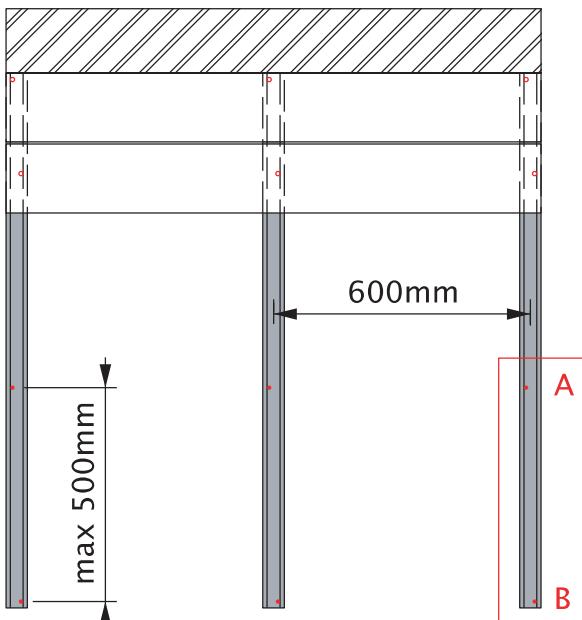


## Preparation of the understructure

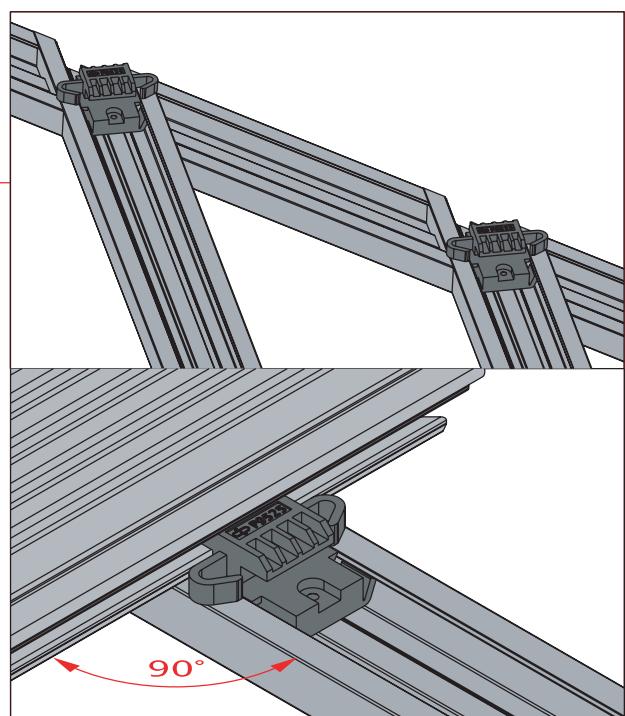
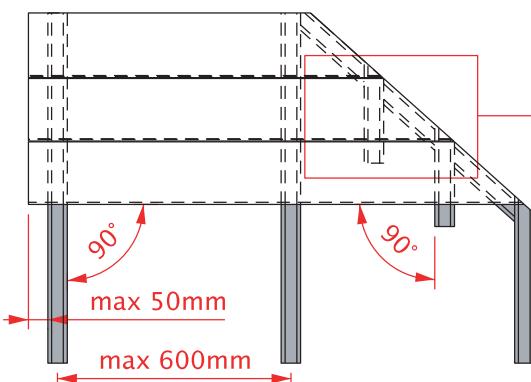
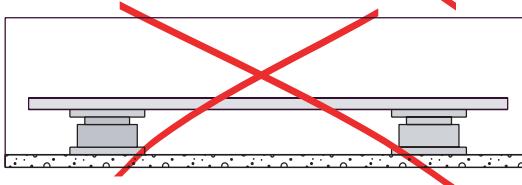
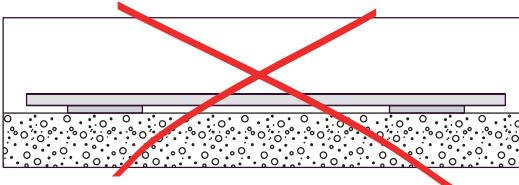
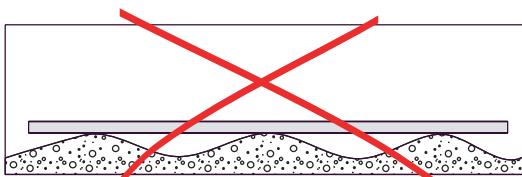
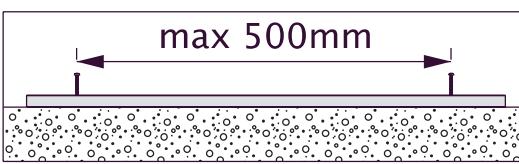
### OPTION 1: NON STRUCTURAL (P9523)



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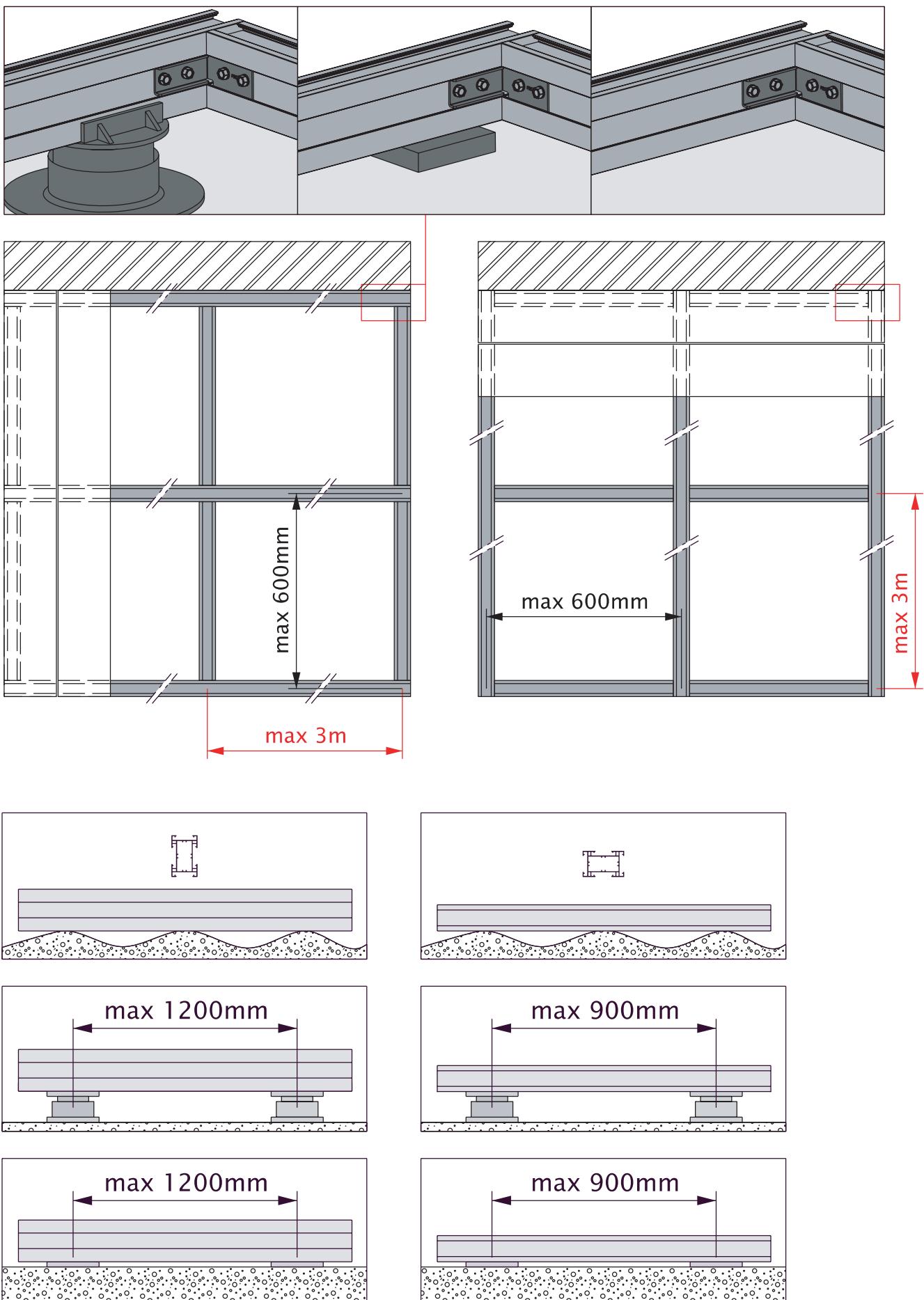


- If drainage cannot be guaranteed: split the supports.
- Als de drainage niet kan worden gegarandeerd: de ligger onderbreken.
- Si le drainage ne peut être garanti: partitionner les supports.
- Ist eine Drainage nicht gewährleistet, bitte die Unterkonstruktion aufteilen.

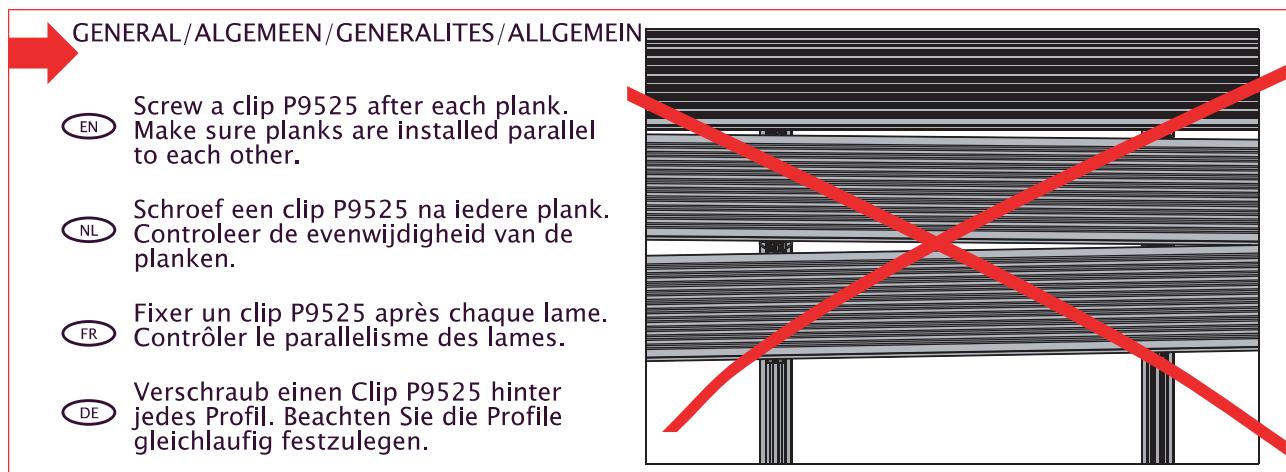


## Preparation of the understructure

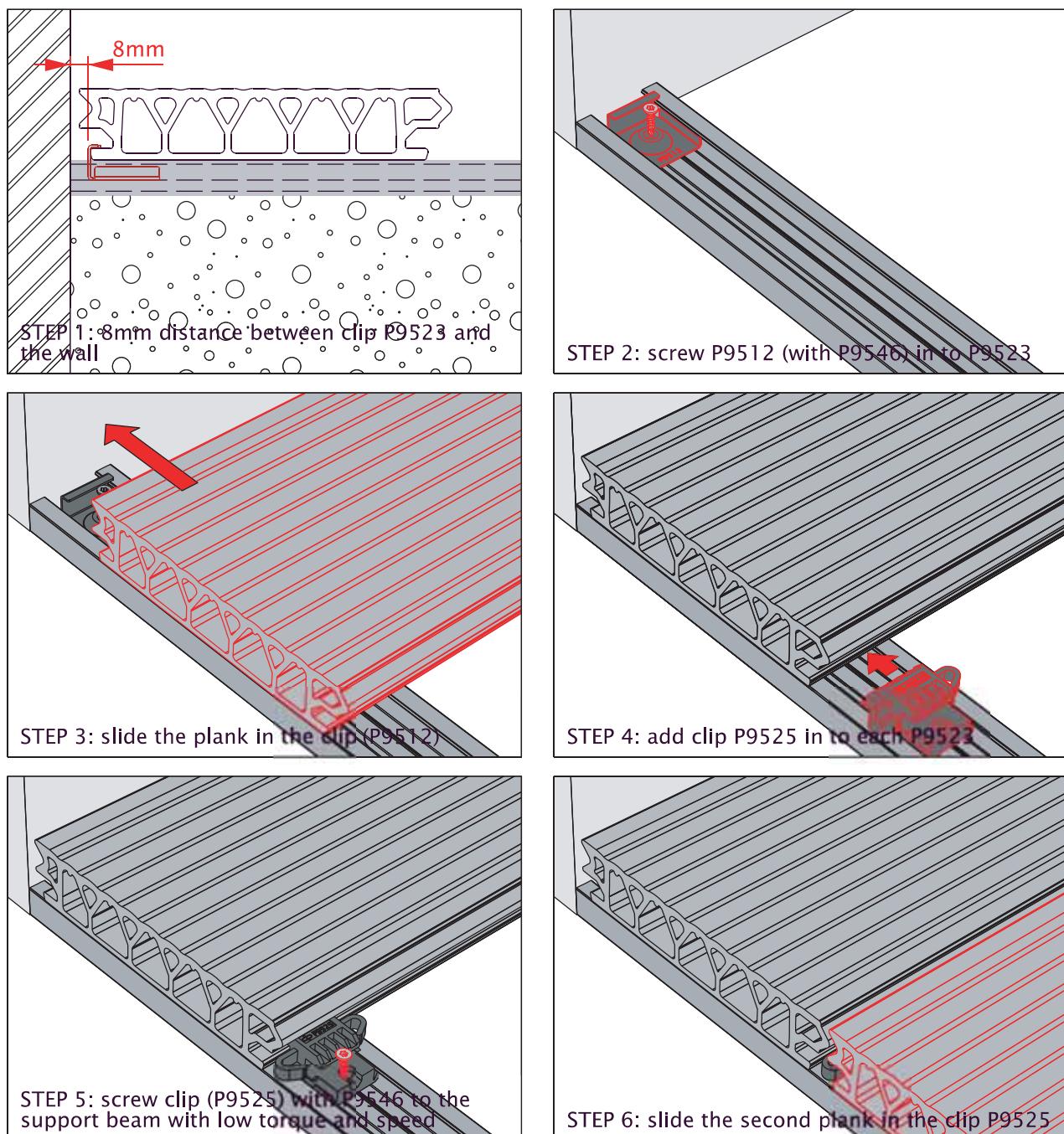
### OPTION 2: STRUCTURAL (P9524)

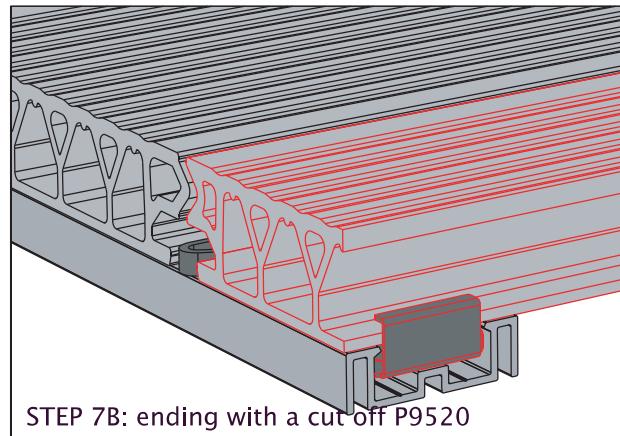
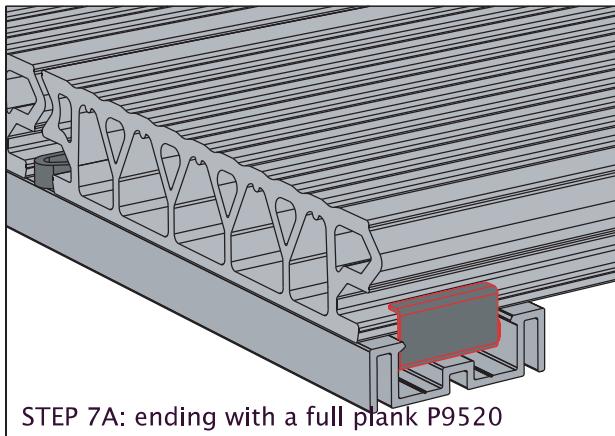


## Assembly:



## NON STRUCTURAL ALUMINIUM SUPPORT BEAM P9523





### Standard method

- STEP 1: place plank with clip P9512 in position
- STEP 2: mark the position of the clip
- STEP 3: screw clip P9512 to the support beam
- STEP 4: slide in or clip in the last plank

### Méthode standard

- ETAPE 1: placer une lame dans le clip P9512
- ETAPE 2: tracer la position du clip
- ETAPE 3: visser le clip P9512 sur la lambourde
- ETAPE 4: glisser le clip dans la dernière planche

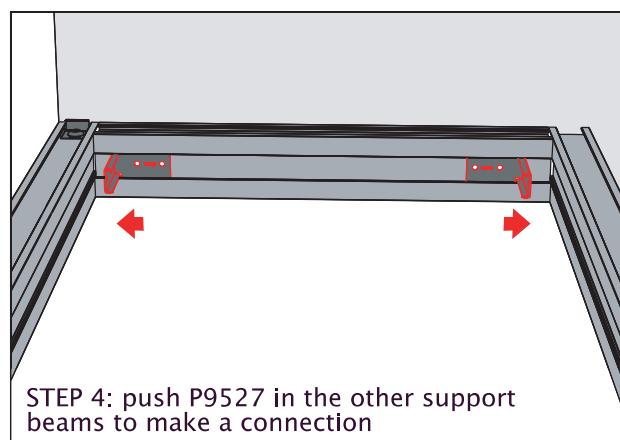
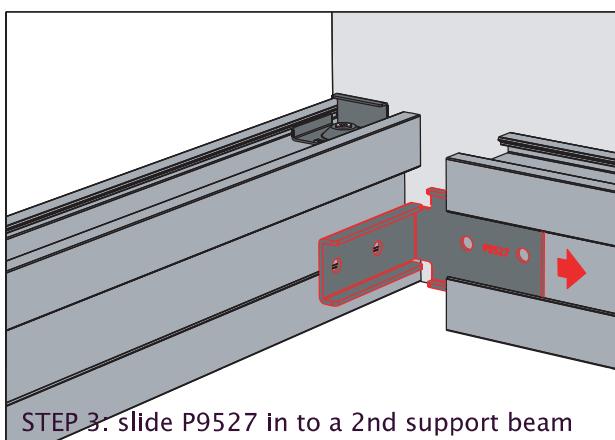
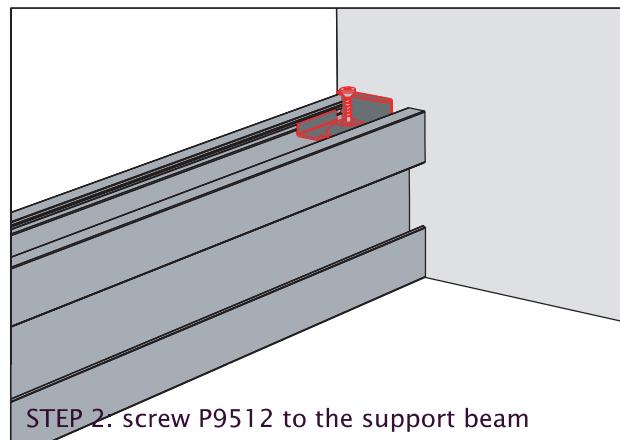
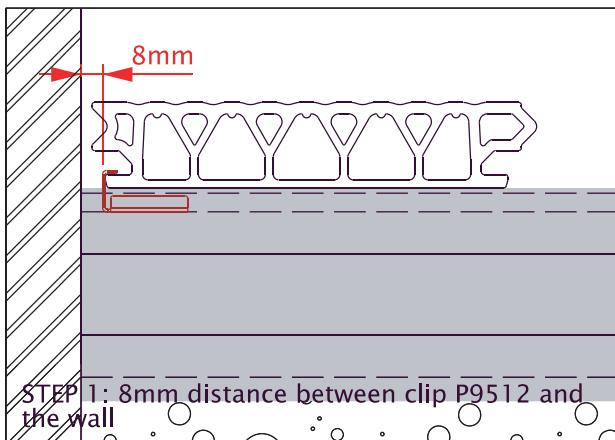
### Werkwijze

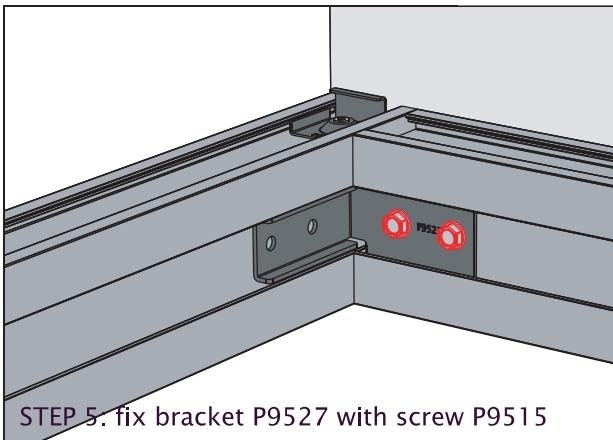
- STAP 1: positioneer de plank met clip P9512
- STAP 2: markeer de positie van de clip
- STAP 3: schroef P9512 vast op de onderstructuur
- STAP 4: plaats de laatste plank

### Standard Methode

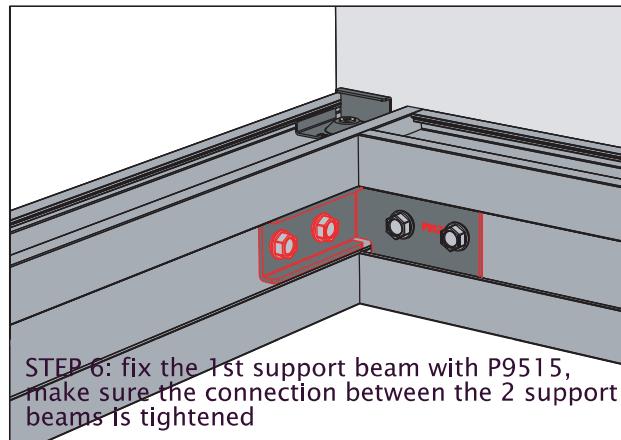
- SCHRITT 1: Setzen Sie ein Profil mit Clip P9512 ein
- SCHRITT 2: Markieren Sie die Position des Clips
- SCHRITT 3: Schrauben Sie Clip P9512 an die Unterkonstruktion
- SCHRITT 4: Schieben oder Clipsen Sie das letzte Profil ein

## STRUCTURAL ALUMINIUM SUPPORT BEAM P9524

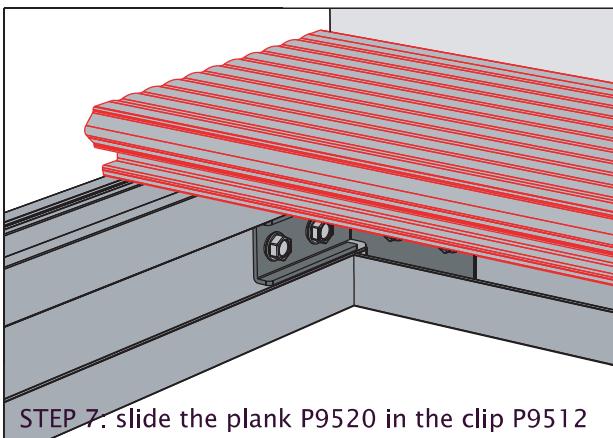




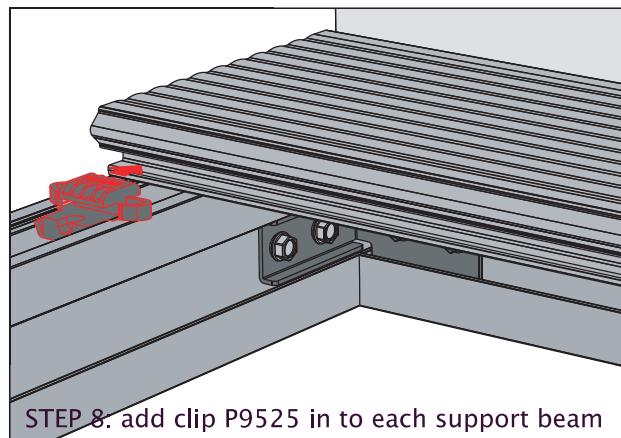
STEP 5. fix bracket P9527 with screw P9515



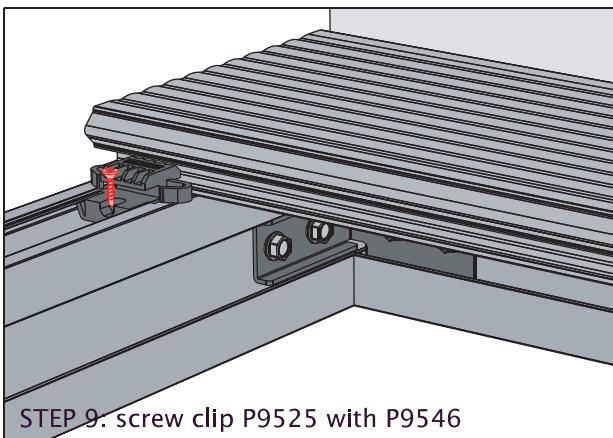
STEP 6: fix the 1st support beam with P9515, make sure the connection between the 2 support beams is tightened



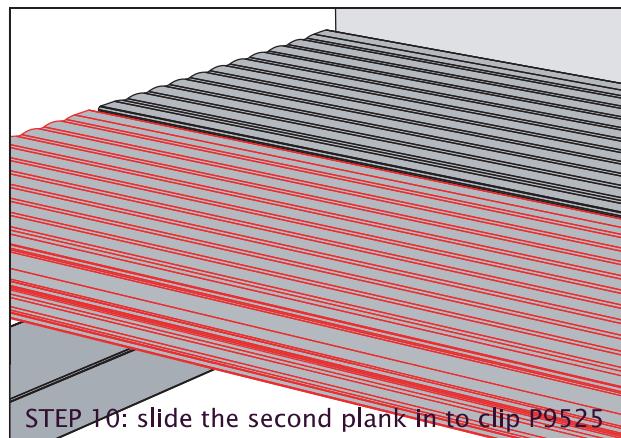
STEP 7: slide the plank P9520 in the clip P9512



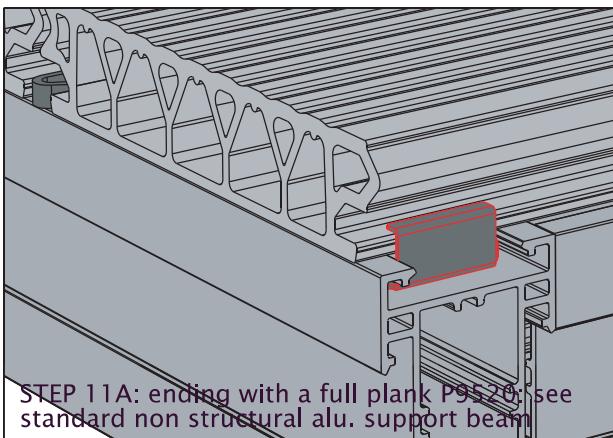
STEP 8: add clip P9525 in to each support beam



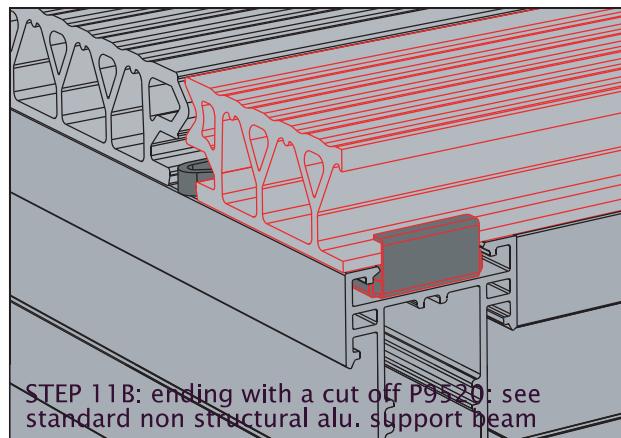
STEP 9. screw clip P9525 with P9546



STEP 10: slide the second plank in to clip P9525

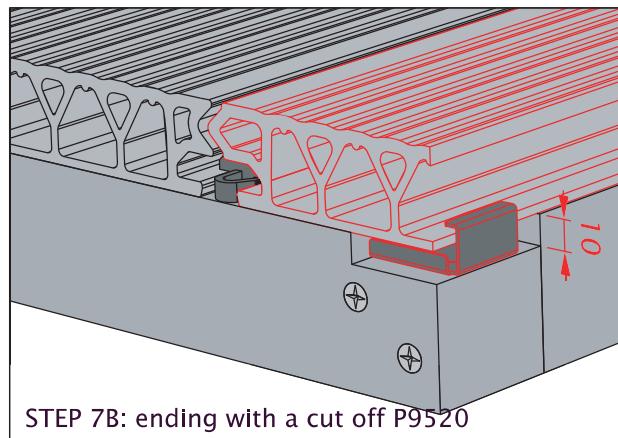
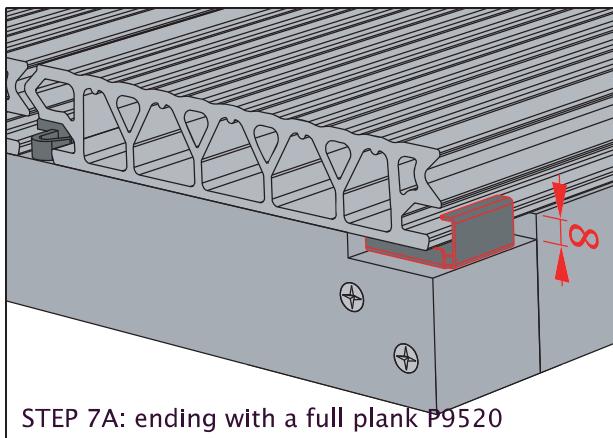
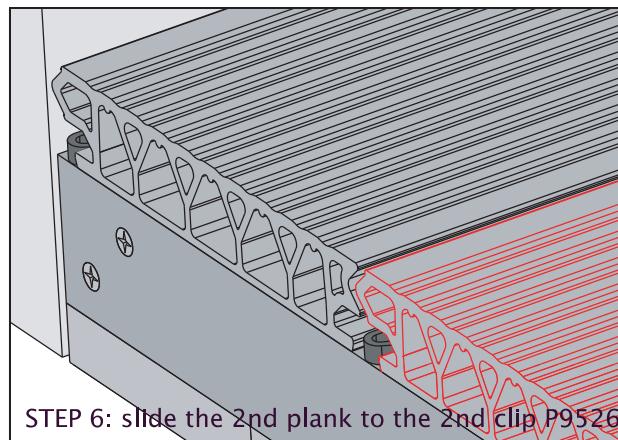
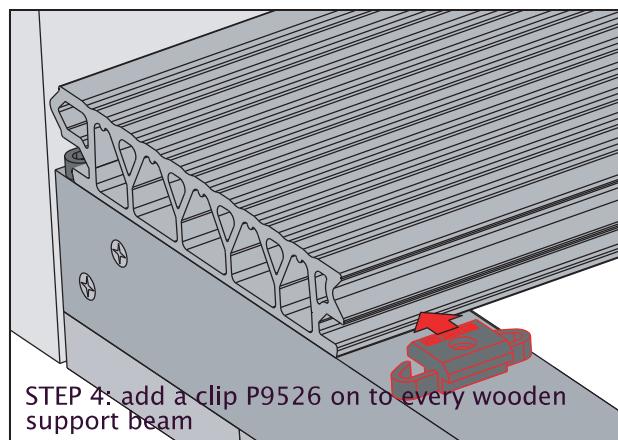
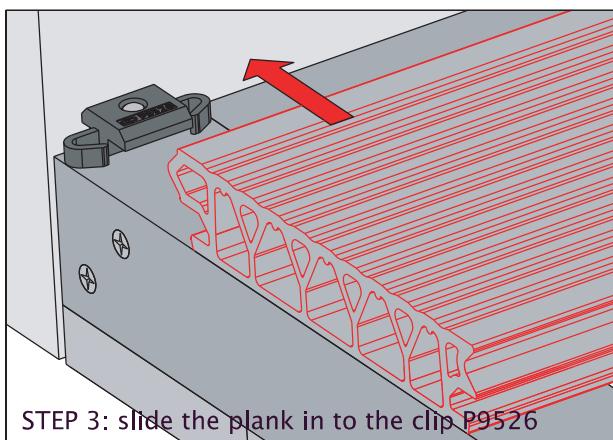
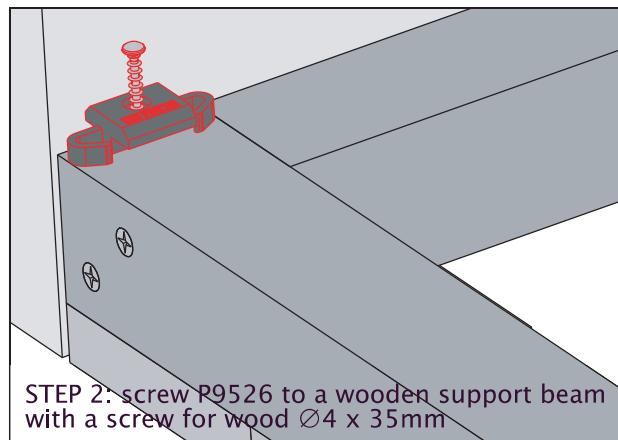
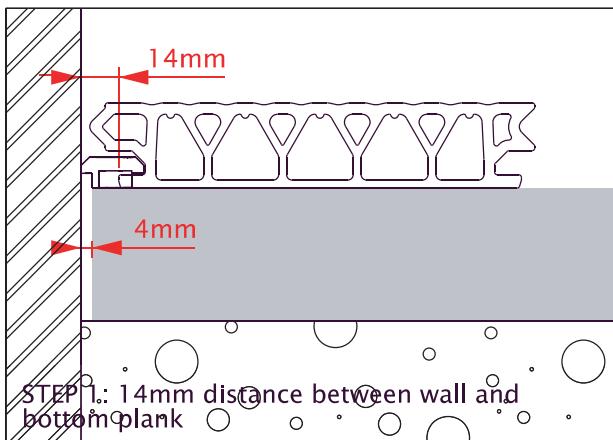


STEP 11A: ending with a full plank P9520: see standard non structural alu. support beam



STEP 11B: ending with a cut off P9520: see standard non structural alu. support beam

## STRUCTURAL WOODEN SUPPORT BEAM

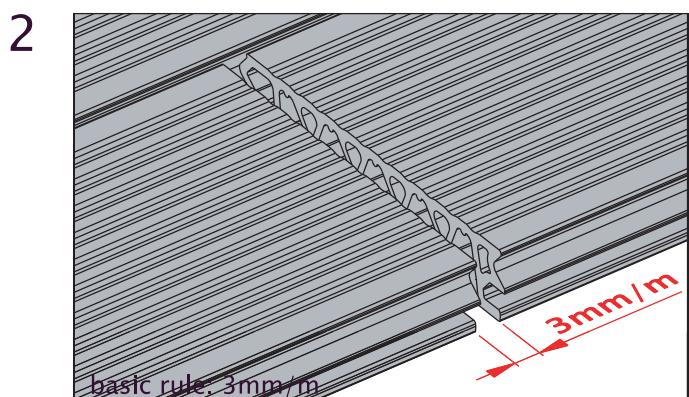
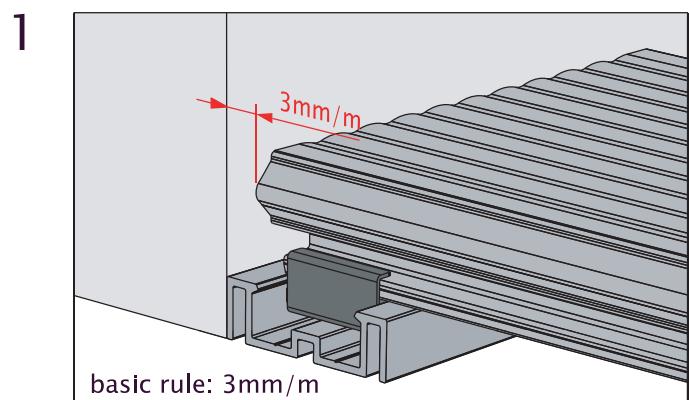
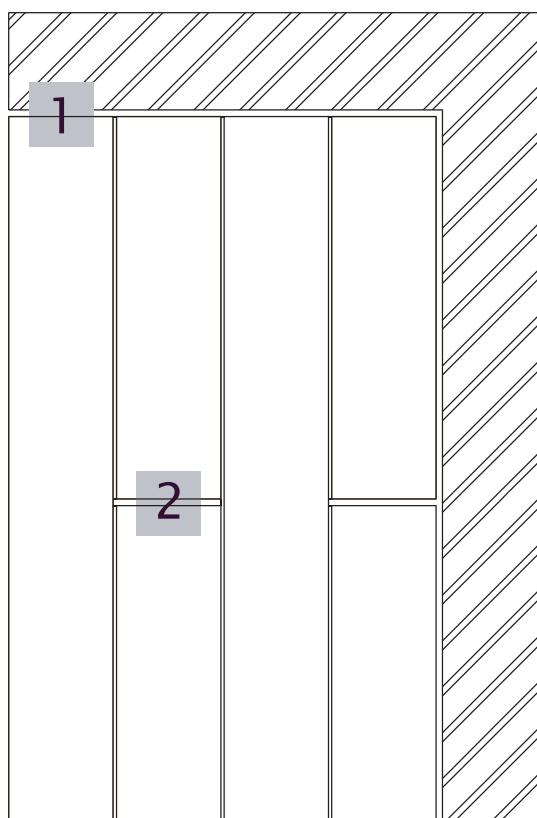
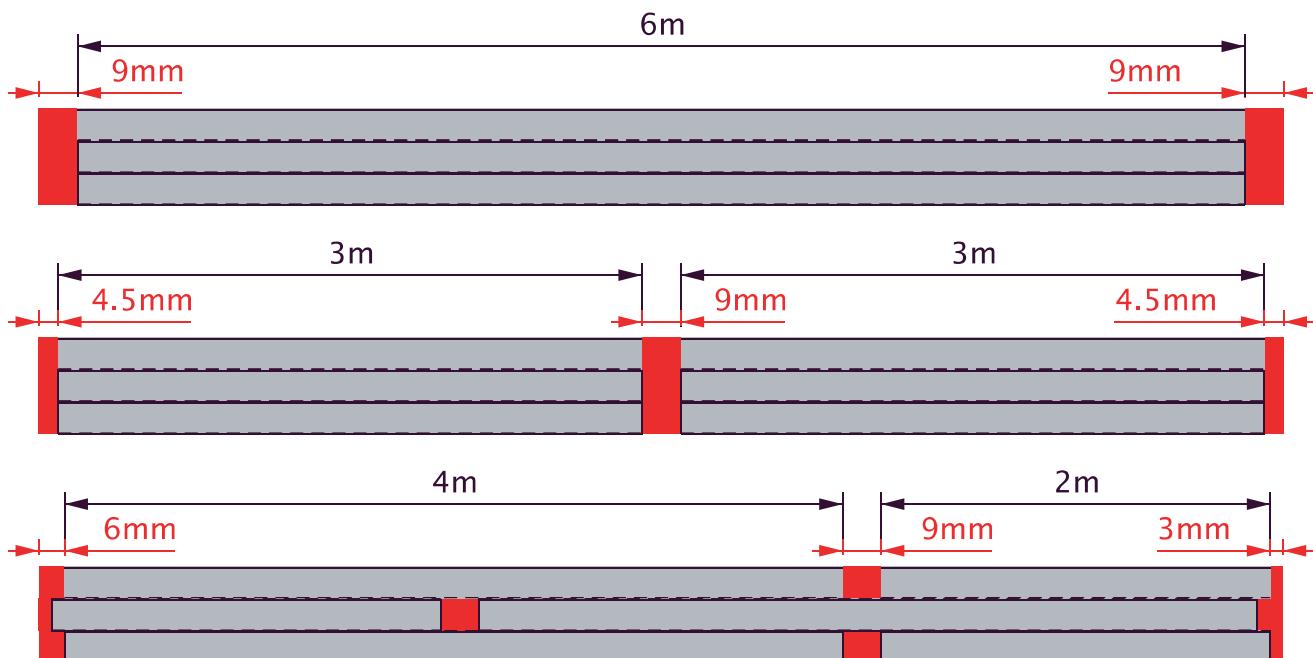


## Expansion rules: overview

### Basic rule: 3mm per linear metre

- EN** If a dilatation of at least 3 mm/m cannot be guaranteed then you need to subdivide the planks into different modules.
- NL** Als er geen uitzetting van tenminste 3 mm/m kan gegarandeerd worden, dan moet je de planken in verschillende modules opdelen.
- FR** Si une dilatation d'au minimum 3 mm/m ne peut être garantie, il faut adapter les dimensions des lames.
- DE** Wenn eine Ausdehnung von mindestens 3 mm/m nicht gewährleistet werden kann, müssen die Profile in verschiedene Längen aufgeteilt werden.

## OPTION 1: WITH CALCULATION

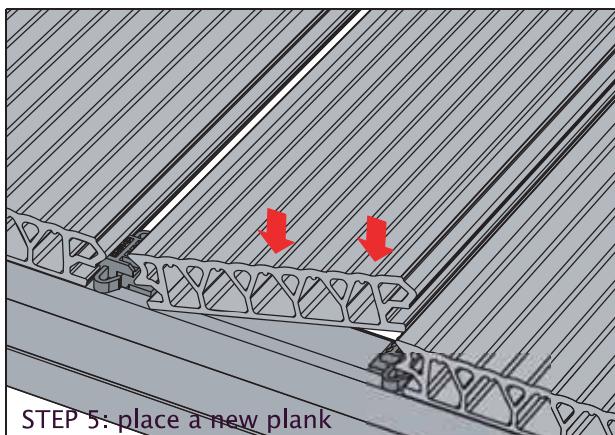
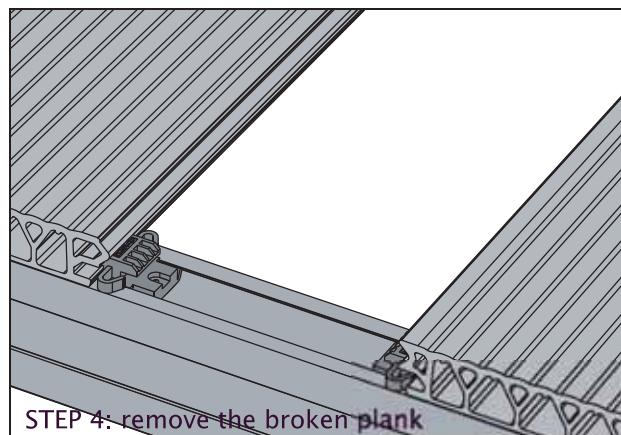
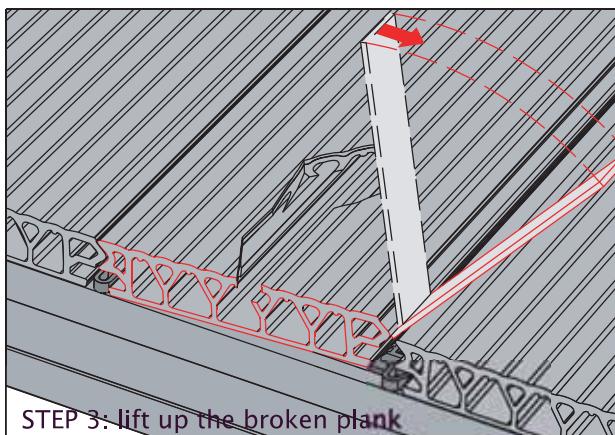
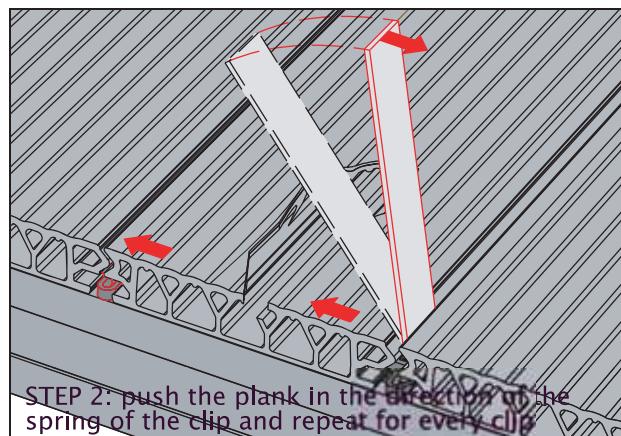
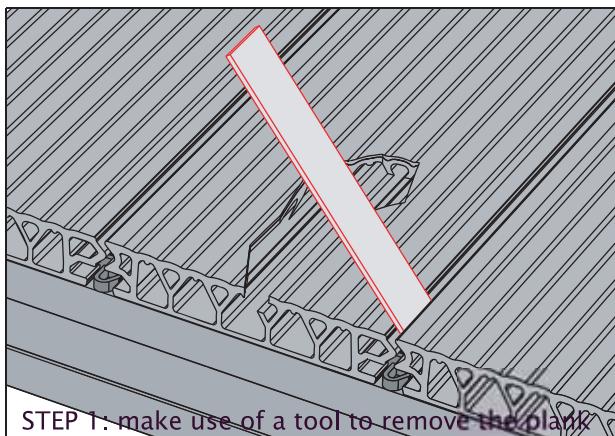


## OPTION 2: WITHOUT CALCULATION



- overall length terrace  $\leq$  6 m: 10 mm expansion both sides
- overall length terrace  $>$  6 m: planks of max. 3 m permitted, expansion of 10 mm both sides
  
- Totale lengte terras  $\leq$  6 m: 10 mm uitzetting voorzien aan beide zijden
- Totale lengte terras  $>$  6 m: enkel terrasplanken van max. 3 m toegestaan en een uitzetting van 10 mm aan beide zijden voorzien
  
- Terrasse de longueur  $\leq$  6 m: laisser 10 mm de jeu de chaque côté
- Terrasse de longueur  $>$  6 m: lames de 3 m maxi autorisées, laisser 10 mm de jeu de chaque côté.
  
- Gesamtlänge der Terrasse  $\leq$  6 m: 10 mm Ausdehnung auf beiden Seiten
- Gesamtlänge der Terrasse  $>$  6 m: Die Profile dürfen maximal 3 m lang sein, 10 mm Ausdehnung auf beiden Seiten

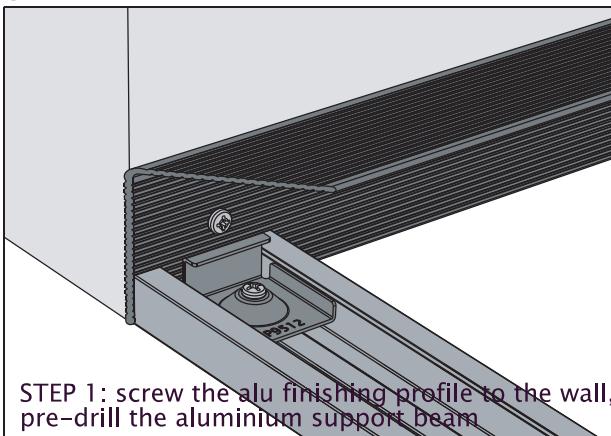
## Replacement



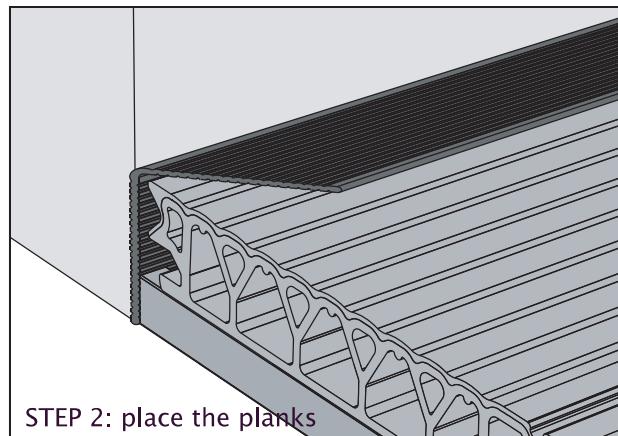
## Start & finishing with P9518

### OPTION 1A: NON STRUCTURAL (P9523)

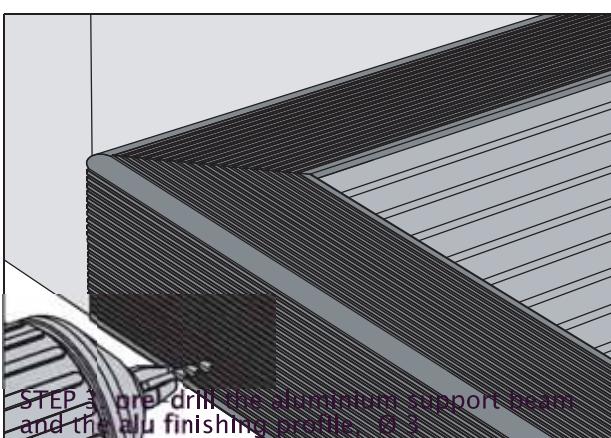
**Start:**



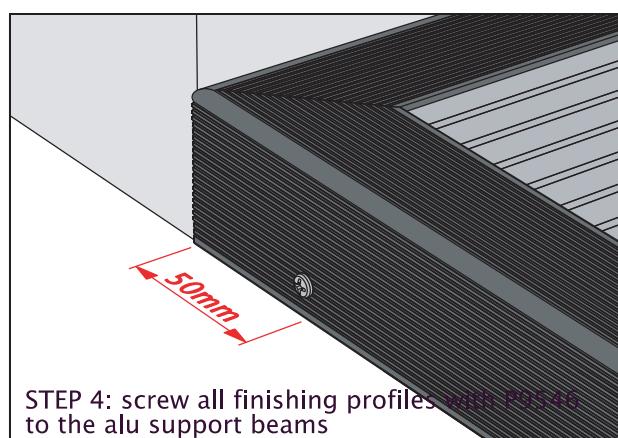
STEP 1: screw the alu finishing profile to the wall, pre-drill the aluminium support beam



STEP 2: place the planks

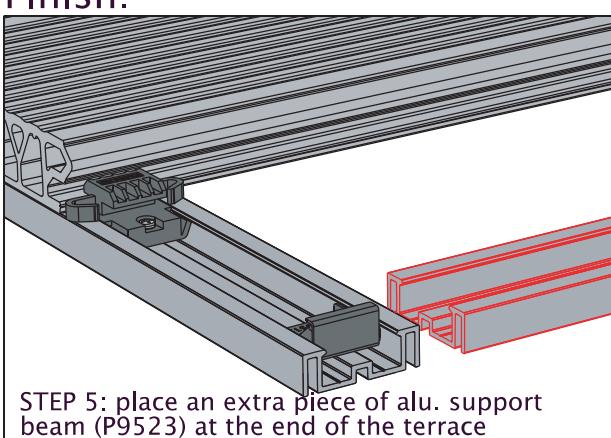


STEP 3: pre-drill the aluminium support beam and the alu finishing profile. Ø 3 mm

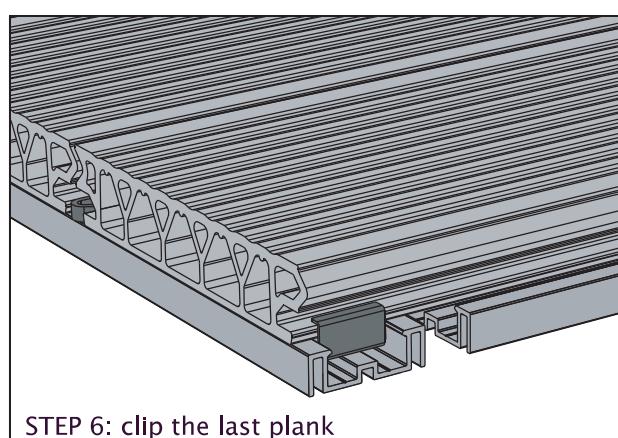


STEP 4: screw all finishing profiles with P9546 to the alu support beams  
50mm

**Finish:**



STEP 5: place an extra piece of alu. support beam (P9523) at the end of the terrace



STEP 6: clip the last plank

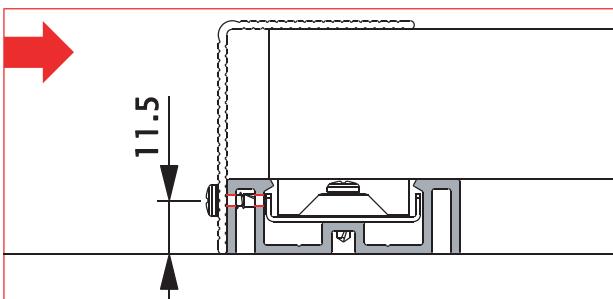
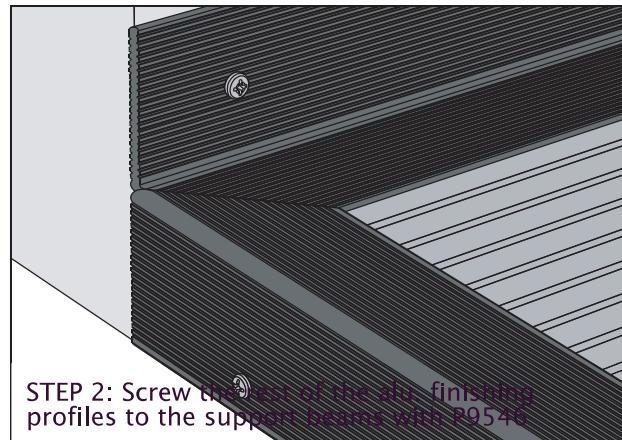
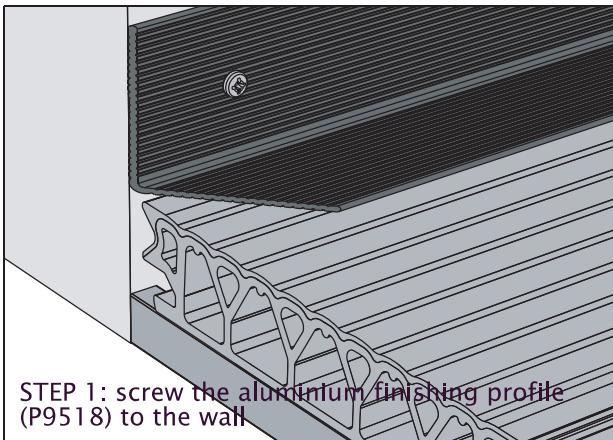


STEP 7: screw the aluminium finishing profiles to the support beam with P9546



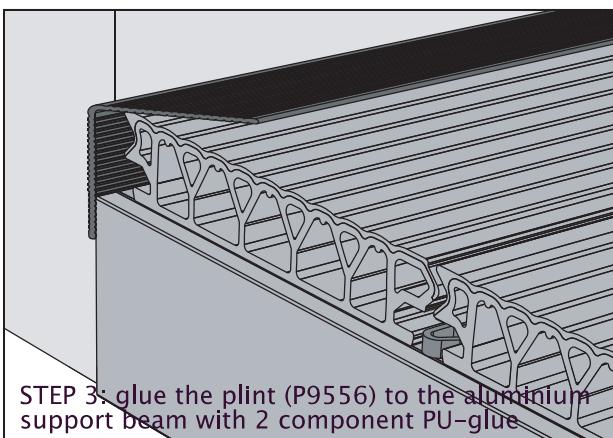
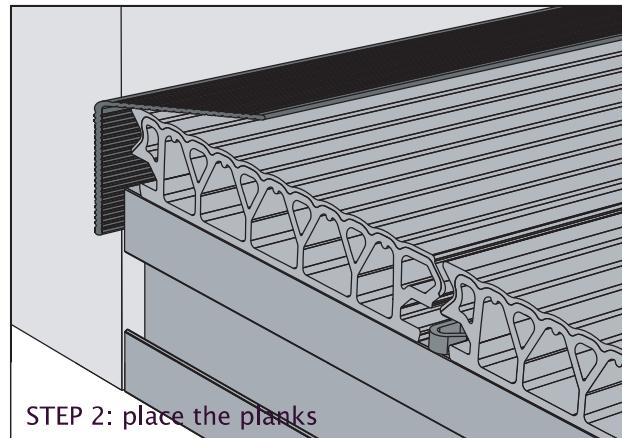
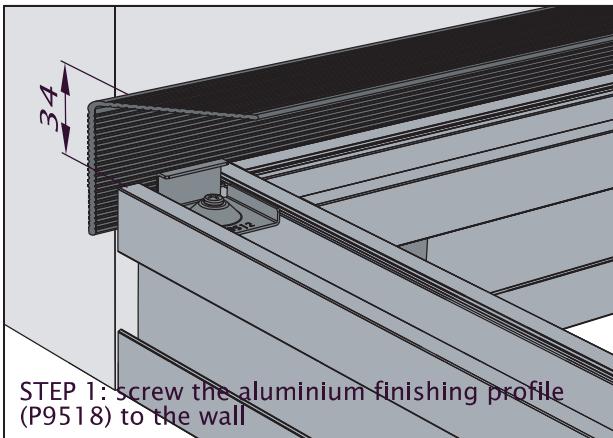
80mm  
STEP 8: screw the finishing profile every 300 mm

## OPTION 1B: NON STRUCTURAL (P9523)

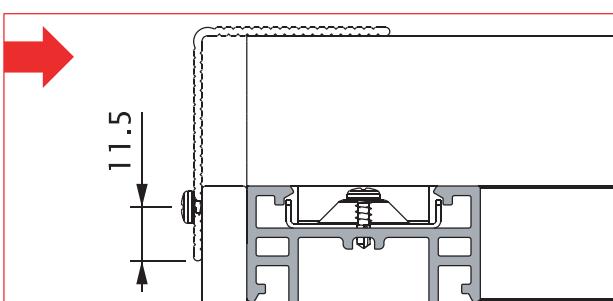
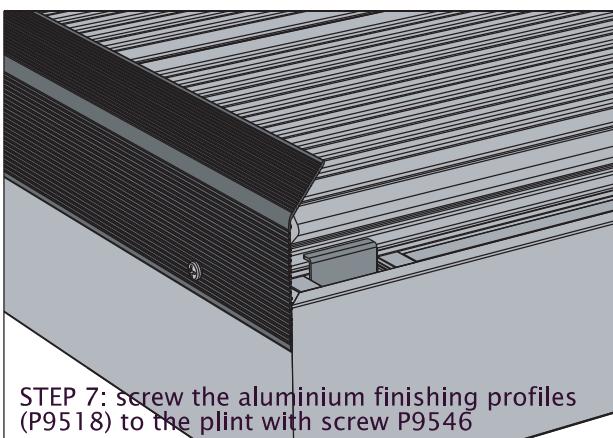
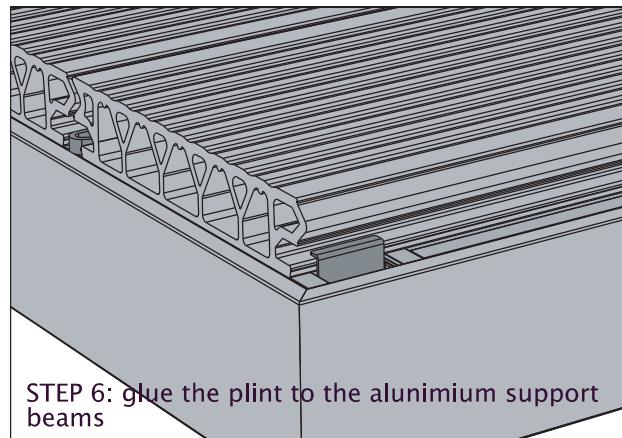
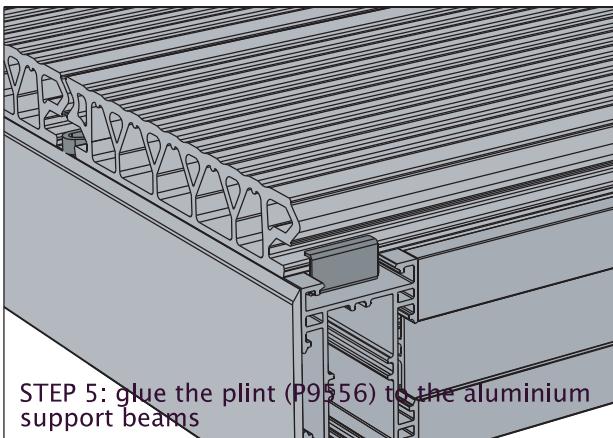


## OPTION 2A: STRUCTURAL (P9524)

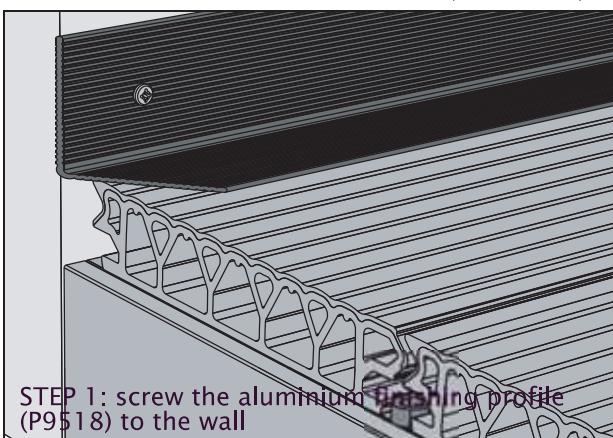
Start:



## Finish:



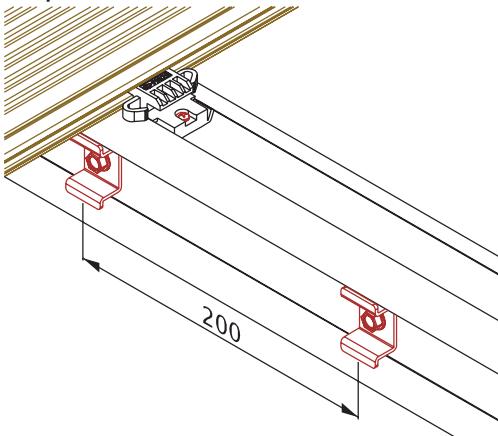
## OPTION 2B: STRUCTURAL (P9524)



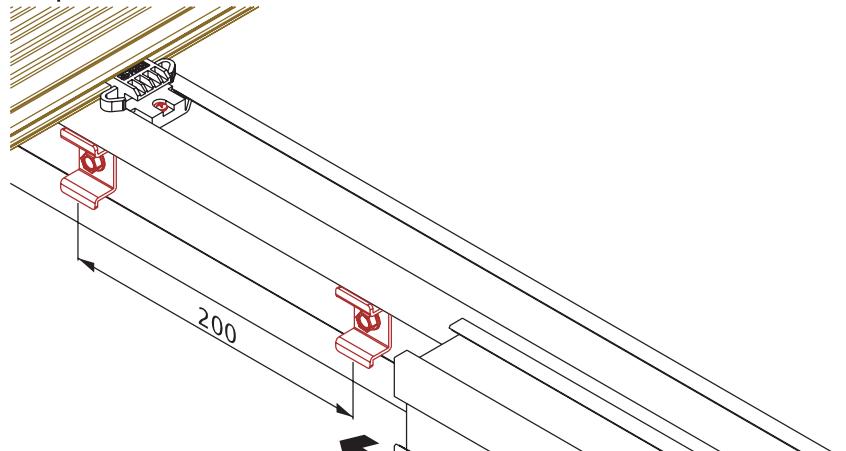
## Structural: P9514 with P9524

## INSTALLATION

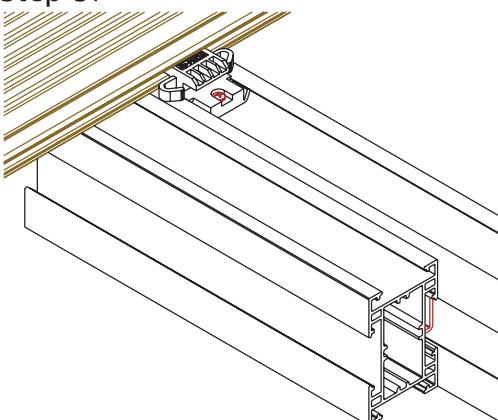
Step 1:



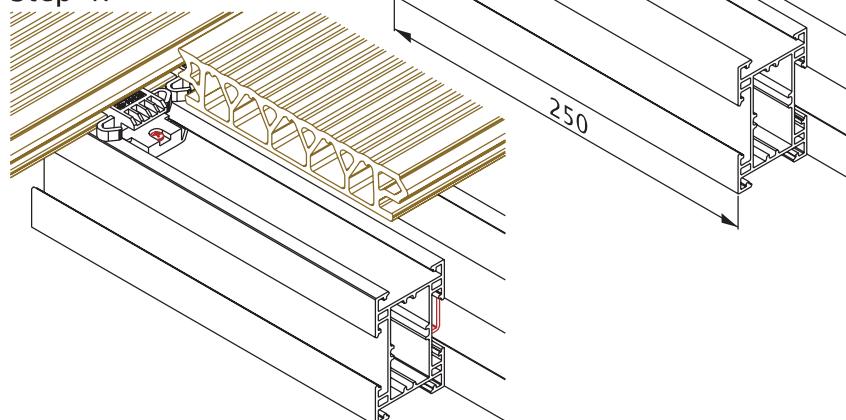
Step 2:



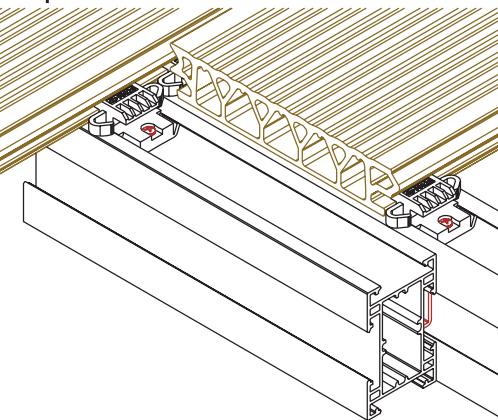
Step 3:



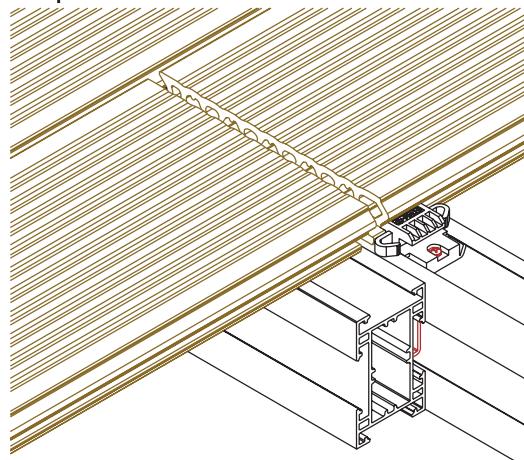
Step 4:



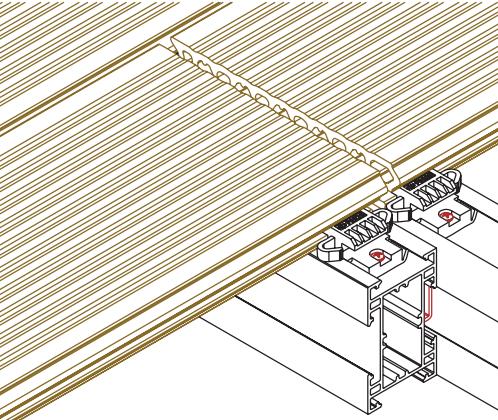
Step 5:



Step 6:



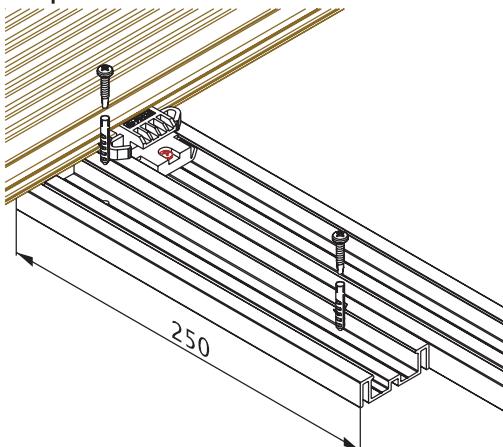
Step 7:



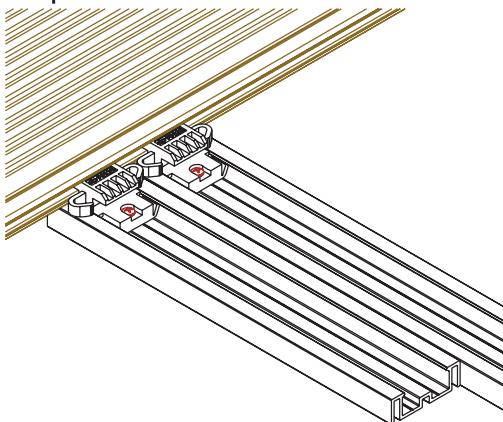
## Non-structural (P9523):

## INSTALLATION

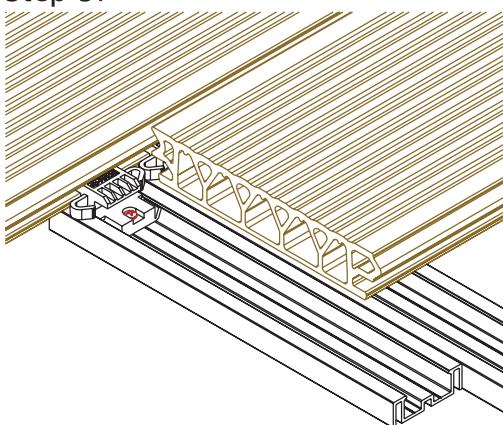
Step 1:



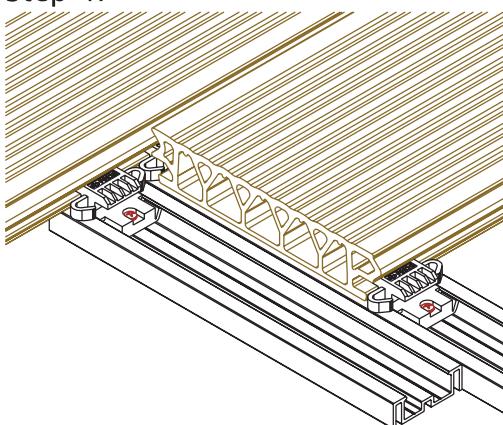
Step 2:



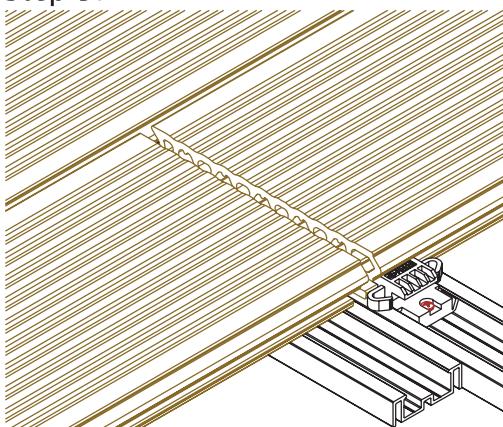
Step 3:



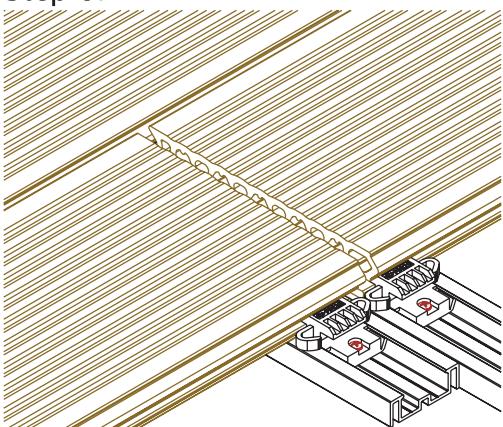
Step 4:



Step 5:



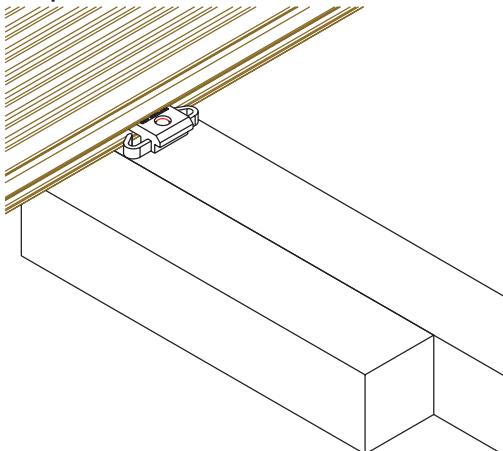
Step 6:



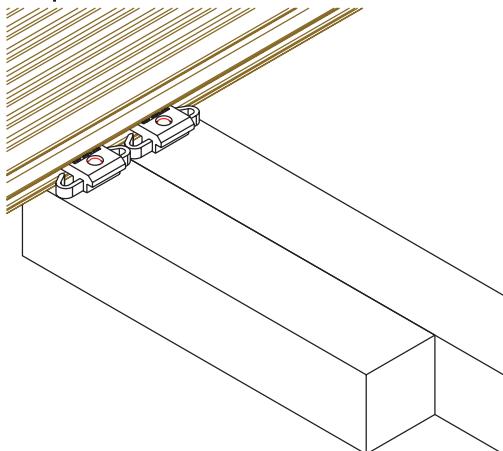
## Wood:

## INSTALLATION

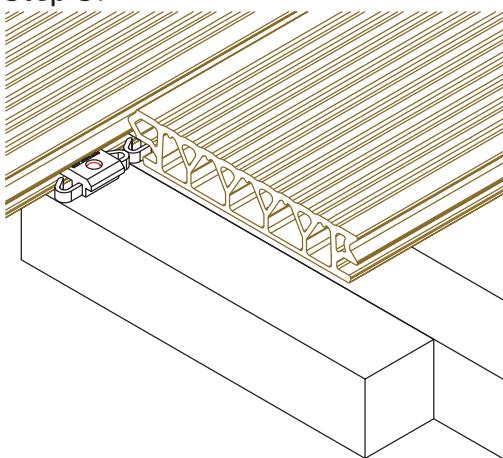
Step 1:



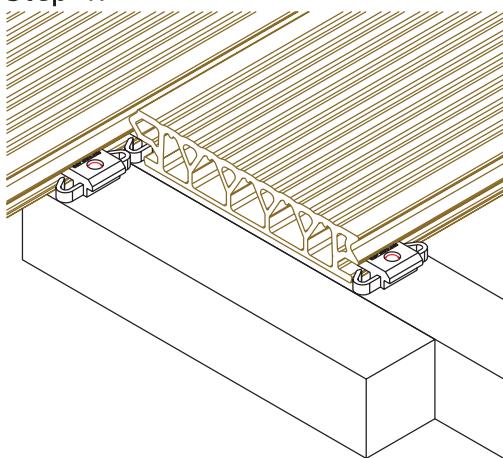
Step 2:



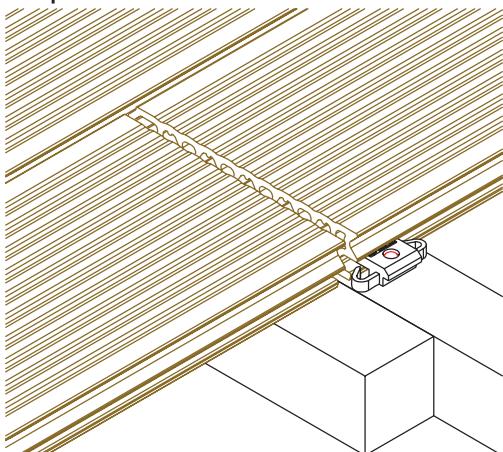
Step 3:



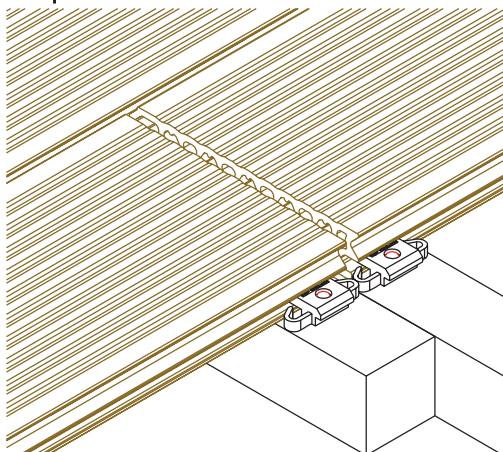
Step 4:



Step 5:



Step 6:



# Blocking the planks against shifting

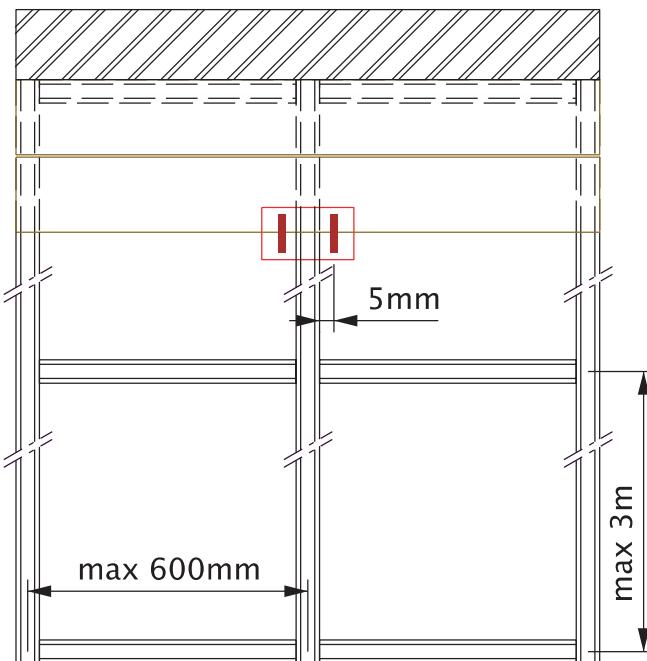
- TERRACE +

Each plank P9520 needs to be blocked from shifting!

Warning:

Block each plank P9520 only in one place. Otherwise planks can deform due to blocking the dilatation.

## INSTALLATION



front view

