

installation instructions

for laminate wall panelling

Product Data

Laminated panel composition

Constructed using high pressure decorative laminate bonded to 10mm waterproof core using D4 grade PVA, counter balanced using 0.8mm backing laminate.

Laminated Worksurface composition

Constructed using high pressure decorative laminate bonded to 28mm, PEFC certified, environmentally preferred chipboard, counter balanced with resin impregnated paper on the reverse.

Laminated Panel sizes and weight

2400 x 1200 x 12mm postformed 1 long edge, 8mm radius - nominal weight 25kg.

2400 x 580 x 12mm postformed 2 long edges, 8mm radius – nominal weight 12kg.

2400 x 600 x 12mm tongue and groove - nominal weight 12kg.

Laminated Worksurface sizes and weight

3050 x 360 x 30mm, 2 x 5mm radius to front edge – nominal weight 25kg.

3050 x 600 x 30mm, 2 x 5mm radius to front edge - nominal weight 39kg.

Jointing extrusions – optional

Nuance has 2 part extrusions for ease of construction around corners and jointing panels. The visible part is extruded aluminium in 3 finishes of powder coated white, black and bright polished. All plastic sections are in white high impact rigid PVC.

Extrusion types

- 2 part 90° internal corner sections.
Refer to fig A1.

- 2 part 90° external corner sections.
Refer to fig B6.

- 2 part straight butt jointing section.
Refer to fig B5.

- 1 part J section, vertical and horizontal finishing trim. Can also used at floor and above floor level in conjunction with upturned flooring. *Refer to fig A5.*

- 1 part white plastic base section to provide water tight seal between Nuance wall panelling and the junction of bath/shower tray. *Refer to fig A6.*

BB Complete adhesive and sealant

Bushboard's superb all in one colour-matched adhesive and sealant system.

Moisture curing system, spillages and smears can be easily cleaned immediately using white spirit.

Provides excellent grab adhesion and is waterproof.

Excellent gap filling properties with no shrinkage.

UV stable, ideal to form colour-matched seal beads.

User friendly in standard 290ml cartridge.

Does not smell or give off toxic fumes.



before you start

When working with Nuance and related materials we strongly recommend relevant personal protection equipment is used.

Storage & handling

All panel products must be stored flat on their back, off the floor and fully supported along the length and width. Failure to do so can cause irreversible deformation of panels.

For long term storage we recommend panel products remain in their factory packaging.

We recommend that all panel products and adhesives are stored at room temperature. BB Complete must not be exposed to prolonged periods of low temperatures as it will deteriorate rapidly.

Before you start

Check each product for signs of damaged packaging, handling damage or defects. Do not proceed with installation unless you are completely happy. Claims for defects cannot be met after installation.

Once unwrapped, panels must be stored clean and stacked face to face to minimise any damage.

Panels and adhesives must be thoroughly conditioned at room temperature for at least 24 hours prior to installation.

Health and safety

Nuance wall panelling and adhesives are not known to be associated with any hazards. Even so, it is good practice to use appropriate PPE, such as dust masks, safety goggles, overalls, protective gloves and protective footwear.

essential installation tools & materials

The use of good tools will ensure a superior, professional finish. And remember, BB Complete forms part of the Nuance warranty.

Jig saw – to scribe shapes.

Circular saw – to size panel.

Hand router – to dress exposed cut.

Hand drill electric – to cut holes.

Standard mastic gun – to apply BB Complete adhesive/sealant.

Screw driver.

Measuring tape and pencil.

Plumbline/Plumb spirit level.

Mitre block or mitre saw – to mitre base section for shower tray.

X2 - Double cup suction lifters – to aid handle/install panels.

Essential materials & fixings

BB Complete neutral bonding adhesive 290ml: a cost effective non coloured version – use to bond panels and upstands into place.

BB Complete colour matched adhesive and sealant 290ml: - available in 23 colours to co-ordinate with Nuance – use to bond panels and upstands in place and to produce seams around panels worktops and upstands.

One 290ml cartridge of BB Complete will bond one 2400x1200mm panel or two 2400x580/600mm panels.

White spirit – to clean BB Complete overspills and to create a smooth finish (it's moisture curing so don't use water).

Clean wipes.

25mm x 3.5mm No6 CSK stainless self tap screws/wall plugs.

(Only for tongue and groove fixed to masonry wall).

NB: when installing standard non tongue and groove panels adhesive and extrusions generally provide sufficient fixing.

Occasionally panels may need to be braced temporarily until the adhesive cures.

design & planning

Design considerations

Position all joints vertically.

Always start panel installation from corner working out.

Always allow a 2mm expansion gap when finishing up to a fixed wall or ceiling.

When installing tongue and groove panels ensure the receiving edge of the start panel is female.

Ensure vertical plumb is true and walls flat free of dips.

If the wall is not sound, flat studs may be used.

Preparation for wall & floor

Nuance panels can be adhered to sound flat surfaces providing that:

- Walls are flat, dry, clean and damp free.
- The floor and wall are waterproofed using appropriate tanking materials at least 50mm up past the base of panels.
- Consider lining uneven walls with 19mm treated plywood or construct timber frame work, *refer to fig A4.*

Although Nuance panels are manufactured using waterproof substrate, when constructing wet rooms panels must finish 5mm above the finished floor level and be seated and sealed on a full depth bed of BB Complete to avoid any penetration to the building. Alternatively, finish above the upturned vinyl floor or tile skirting at least 60-80mm up from floor level, *refer to fig A5.*

Consider using a Nuance plastic base section when fitting panels down to shower tray and bath ledge.

If the shower tray is to be installed first, then ensure this is done in accordance with manufacturer's recommendations.

installation of tongue and groove panels

Planning considerations

Tongue and groove panels can be used to line out full rooms or part of a wall. They can be installed directly to a dry, damp-free and flat wall or to a timber stud framed wall using BB Complete adhesive and sealant.

When installing panels between 2 walls, avoid finishing at the corner with a narrow panel.

Always start from corner and work out in both directions to finish at the doorway, cutting and fixing the final panel over the doorway.

When installing panels in conjunction with vinyl flooring, use a 'J' section as shown in *fig A5*.

When starting from a corner, the male tongue of the first panel will need to be removed.

Panel installation

- 1 If needed, construct a timber stud frame as shown in *fig A4*. We recommend the use of 150mm ply patress to provide maximum bond area.
- 2 If using jointing extrusions install the plastic part of any corner sections first. This is described later in the Section "Fixing internal corner extrusion"
- 3 Measure, mark and cut the panel to size.
- 4 Refer to *fig A2*, drill 5 no Ø4.5mm holes along the female grooved edge of the panel, 60mm in from ends and spaced at approx. 450mm apart, countersink to suit No.6 CSK screws.
- 5 When fixing to timber frame drill 3mm pilot hole, if fixing to a masonry wall use appropriate rawl plug fixings.
- 6 Dry fit panel (always dry fit every panel to ensure alignment and to minimise visible joint), remove panel and thoroughly clean the back and face using a clean damp cloth and allow to dry.
- 7 Apply approx. Ø3mm beads of BB Complete as shown in *fig A3*,
- 8 Using the mirror lifters, lift the panel in place and press back the panel firmly all over.
- 9 Fix panel using 25mm x No.6 CSK stainless self tap screws, taking care not to over tighten.
- 10 Repeat the procedure to install further connecting panels as shown *fig A1*.

NB: Do not tap the groove edge of the panel to close the joint. Use the mirror suction lifters to slide the panel up and down whilst pushing sideways to evenly squeeze out BB Complete, safely closing the gap.

Immediately after assembling each join, use white spirit to clean off any sealant overspills. Remember BB Complete is moisture-curing, so don't use water.

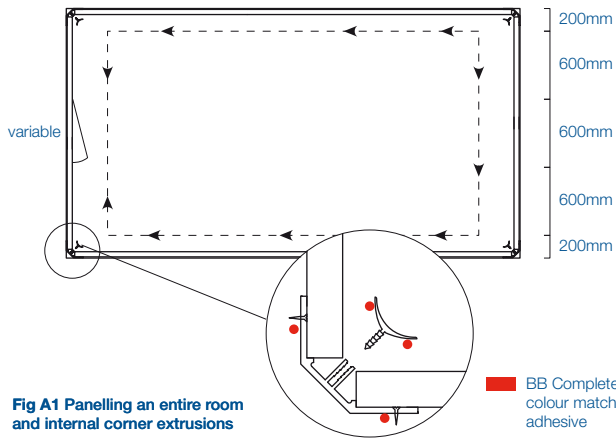


Fig A1 Panelling an entire room and internal corner extrusions

BB Complete colour matched adhesive

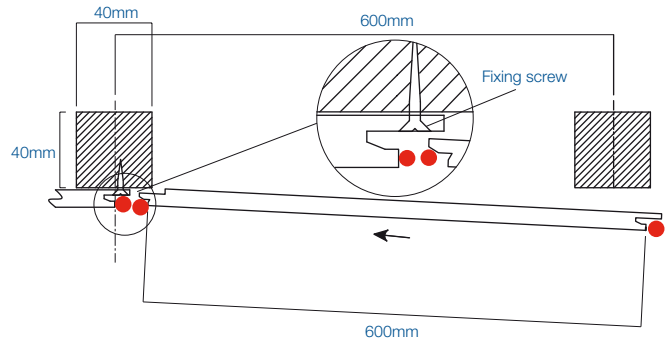


Fig A2 Tongue and groove assembly

NB. T&G panels shown above are fixed to battens for uneven walls. This is unnecessary for clean sound walls, where they can be bonded in place using BB complete.

BB Complete colour matched adhesive

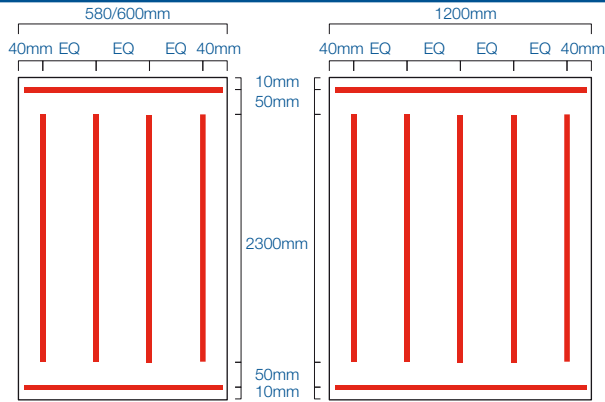


Fig A3 Application of BB Complete adhesive

NB. The use of BB Complete is a condition of the guarantee.

BB Complete colour matched adhesive approx. 0.3mm

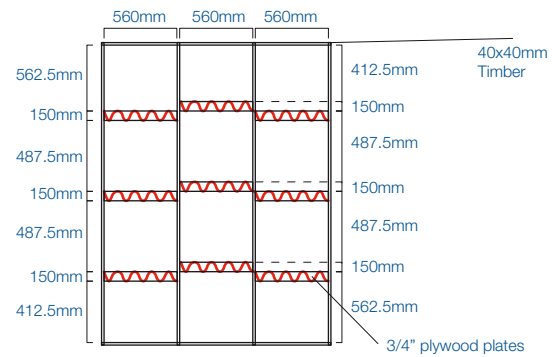


Fig A4 Lining an uneven wall with timber framework

BB Complete colour matched adhesive

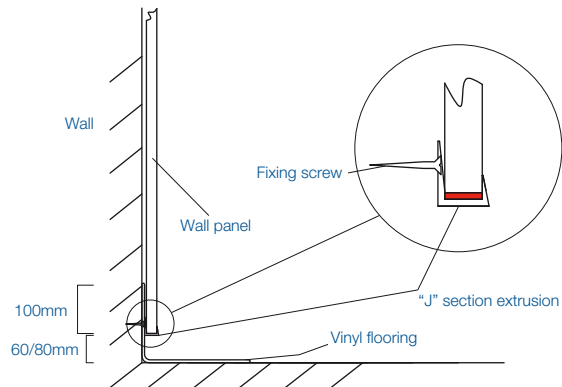


Fig A5 'J' section panel finishing trim – used in conjunction with vinyl floor

BB Complete colour matched adhesive

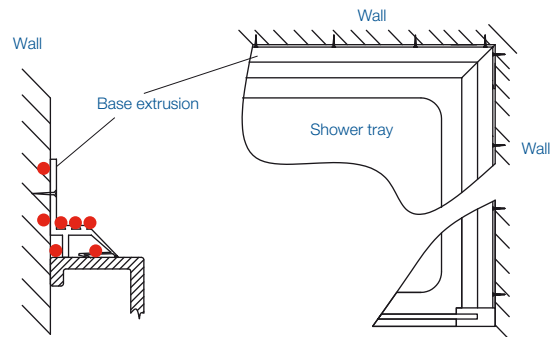


Fig A6 Forming shower tray base joint using base extrusion (Plan not to scale to help clarity)

BB Complete colour matched adhesive

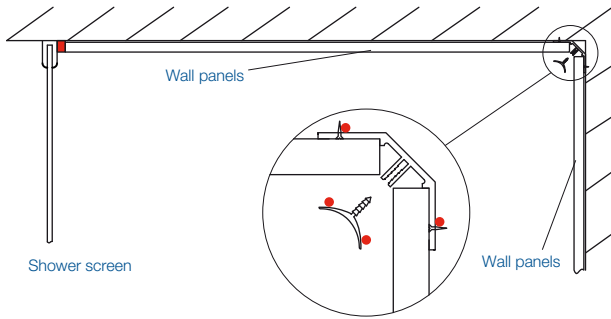


Fig B1 Panelling a shower after the enclosure is fixed using an internal corner section

BB Complete colour matched adhesive

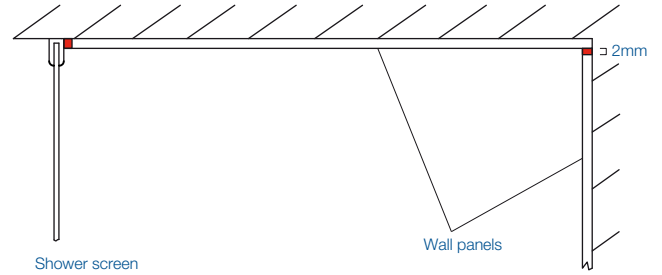


Fig B2 Panelling a shower after the enclosure is fixed without using an internal corner section

BB Complete colour matched adhesive

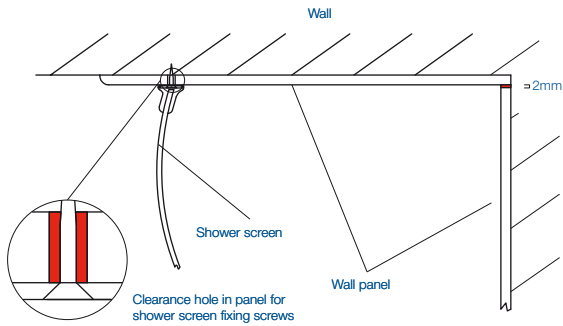


Fig B3 Panelling a shower before the enclosure is fixed without using an internal corner section
Note: the left hand postformed edge needs no trims and continues past the enclosure.

BB Complete colour matched adhesive

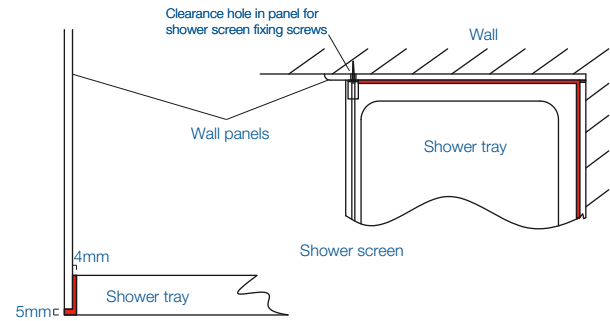


Fig B4 Forming shower tray base joint without base extrusion

BB Complete colour matched adhesive

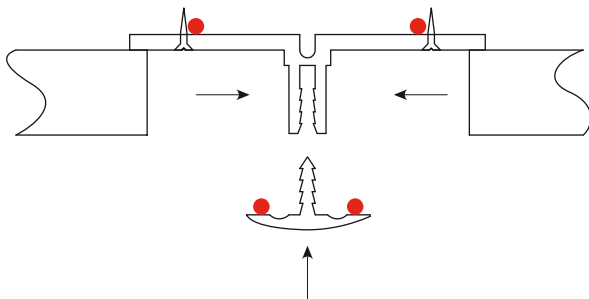


Fig B5 'T' shaped butt jointing section

BB Complete colour matched adhesive

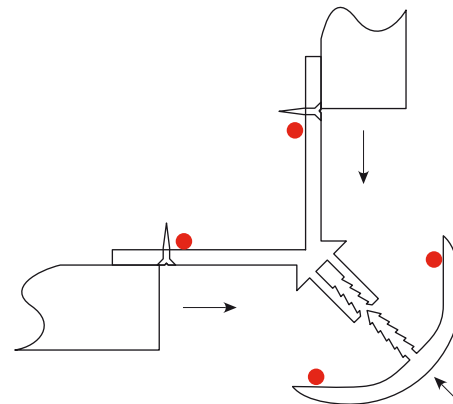


Fig B6 90° external corner section

BB Complete colour matched adhesive

installation of Nuance panels

Nuance is a hardwearing surface and as such the correct use of good quality machinery and the correct sharp cutters will produce a professional finish.

Cutting & drilling Nuance wall panels

Nuance panels can be cut using general wood working tools as listed earlier.

Holes can be formed using standard high speed drill or circular hole saw cutters.

Allow 3mm clearance around all cut outs to be back filled with BB Complete.

We recommend use of a circular saw for cutting general concealed edges, if using a circular saw always cut face down and into the postformed edge using a sharp cutter.

For installations without extrusions we recommend the edges are dressed using a router with a sharp blade.

Jigsaw should only be used to scribe curved shapes.

Installation

Nuance panels can be installed after or before installing shower tray and bath, with or without corner extrusions.

Without extrusions

- 1 NB: Exposed edges must be dressed using a router to provide a clean cut.
- 2 When running panels down to the floor a 5mm gap must be kept between the floor and base of the panel (use 5mm spacers).

- 3 Establish the area to be panelled.
- 4 Ensure all plumbing/electrical services are allowed for and the floor is fully prepared to receive the shower tray.
- 5 Measure and cut the panel to size allowing a 2mm gap for BB Complete at the internal joint.
- 6 Form cut-outs and holes for services if necessary and dry fit panels.
- 7 Thoroughly clean the back and face of the panel and apply approx. Ø3mm bead of BB Complete to the back of the panel as shown in *fig A3*. Also apply and spread a thick layer of BB Complete to the bottom edge of panel.
- 8 Using mirror lifters, carefully lift the panel in place and press back firmly all over allowing a 5mm gap between the floor and base of the panel (use 5mm spacers to hold panel in place until adhesive cures) Ensure a 2mm gap is allowed for BB Complete where the panels meet, as shown in *fig B3*.
- 9 Allow 24hrs adhesive cure time before installing the shower tray, the bath or any plumbing.
- 10 When installing the shower tray, apply a 3mm thick layer of BB Complete to the entire height of the shower tray wall as shown in *fig B4*.

11 When installing a bath, apply a 4mm thick layer of BB Complete along the entire height of the bath ledge side to seal the bath to the panels.

12 Allow 24hrs before fitting the shower enclosure. Ensure all loading is transferred through the panel to the wall.

13 Apply final finishing BB Complete beads between panels and shower or bath, and finally fill the 5mm gap at the floor to form a neat bead. Remember BB Complete is moisture-curing so smooth it off with white spirit.

With extrusions

Firstly, install the shower tray and enclosure as per manufacturer's instructions.

Fit shower tray base section:

- 1 Refer to *fig A6* - measure, cut and mitre base section between inside of shower enclosure and internal corner.
- 2 Drill Ø4.5mm holes 20mm in from ends and spaced at approx. 250mm along the V groove in the flange of base section and counter sink to suit 25mm x 3.5mm, No.6 CSK stainless self tap screws.
- 3 Offer up the base section, pressing down firmly and mark the wall. Drill and insert suitable plastic raw plugs.

- 4 Refer to *fig A6* - apply 4 beads of adhesive as shown. Also apply a generous amount of BB Complete to both mitre and square ends to ensure the installation is watertight.
- 5 Fix using 25mm x 3.5 mm No.6 CSK stainless self tap screws ensuring the sealant meets and merges at the mitre join.
- 6 Using white spirit, carefully clean and smooth BB Complete (Remember it's moisture-curing so don't use water).

Fixing internal corner extrusion

- 1 Refer to *fig A1* - cut the 'plastic internal corner section' so that it finishes on the top of the base profile.
- 2 Drill Ø4.5mm holes, 60mm in from ends and spaced equally along the V groove in the flange of the internal section and counter sink to suit 25mm x 3.5mm, No.6 CSK stainless self tap screws.
- 3 Offer up the internal section and mark the wall. Drill and insert suitable raw plugs. Dry fit.
- 4 Refer to *fig A1* – apply beads of BB Complete as shown, offer in place, press back and screw fix using No.6 CSK stainless self tap screws and remove the internal corner section.
- 5 Refer to *fig B1* - measure for panels allowing 2mm expansion gap at each vertical edge.
- 6 Mark and cut panel to size using a circular saw or router ensuring a clean chip-free cut.
- 7 Form cut-outs and holes for services if necessary and dry fit panels.
- 8 If top edge is to be capped, then cut the 'J' section to length allowing for internal corner section. The 'J' section is adhered to panel with a bead of BB Complete.
- 9 Thoroughly clean the back and face of the panel and apply approx. Ø3mm beads of BB Complete to the back of the panel as shown in *fig A3*. Also apply and spread a thick layer of BB Complete to the bottom edge of panel.
- 10 Apply BB Complete to the plastic base section as shown *fig A6*.
- 11 Using mirror lifters, carefully lift the panel in place and press back firmly all over. Ensure the base of the panel is located properly on the base section.
- 12 Using white spirit, immediately wipe excess BB Complete to leave a neat bead.

Fixing internal corner front section

- 1 Measure and cut the metal front internal corner section to length.
- 2 Apply 2 beads of BB Complete as shown in *fig A1*.
- 3 Starting from bottom end and working up, gently push fit the front section a short length at a time.
- 4 Apply BB complete to the base of front section and form a neat bead. Using white spirit wipe off any overspills.

For technical support on Bushboard products, please
contact the Customer Service Team on:
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