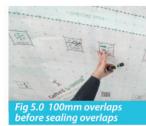
Application

- The membrane should be applied perpendicular to the direction of the application surface i.e. studs, rafters and joists.
- and repair spots.











The membrane should be fixed with staples every 150mm or with 970 Double Sided Tape.

- It is recommended to use Gerband 586 Joining Tape for bonding barrier overlaps, penetrations
- For connections to concrete or masonry Fortax 6400 Adhesive Sealant is recommended.
- Ensure there is a 100mm overlap of the membranes and tape with Gerband 586 Joining Tape.

Fitting Instructions:

- The Sd membrane is applied to the building envelope on the warm side of the insulation.
- The membrane should be rolled out to the correct length and cut with a sharp knife.
- The membrane should be applied to the timbers crosswise to the joists/rafters, with the graphics facing the installer. 970 Double Sided Tape at 400-600mm centers should be used, otherwise staple every 150-200mm.
- Creases should be removed and reasonable tension applied to the membrane.
- The membrane should overlap by approx. 100mm, the membrane graphics failitate this process. See Fig 5.0
- 5 The membrane should be extended approx. 100mm down the external wall without any stress on the material.
- A 6-8mm bead of Fortax 6400 Sealant should be applied to the masonry surfaces to fix the membrane. See Fig 5.1
- **8** Gently press the membrane against the Sealant and allow
- Ensure there is sufficient stress relief in the membrane corners and trim back accordingly.
- Any overlaps should be joined with Gerband 586 Tape.
- Services penetrating the membrane should be sealed with Gerband 586 Tape or a suitable PHS Grommet.

Gerband 586 Joining Tape

This tape is perfect for sealing membrane overlaps, joints connections and penetrations. You can also apply it to a variety of different substrates and their material transitions while ensuring optimum airtight sealing.

Application

- Gerband 586 Tape is used indoors for the airtight bonding and sealing of penetrations and overlaps of wind and vapor barriers according to DIN 4108-7. Surfaces must be stable, dry, free of grease and dust, and may not contain adhesive-repellent coating.
- For bonding MDF boards we recommend preconditioning the surfaces with
- We recommend bonding to surfaces such as smooth or slightly rough PE webs and non-waxed kraft paper. Aluminum sheeting, impact resistant plastic, metal and wooden sheathing (e.g. oriented strand boards) may also be used.





Fitting Instructions:

Membrane to Membrane:

Align the membrane correctly (100mm overlap) and fix the tape evenly between the membranes. Apply pressure with roller or similar device.

Membrane to Steel:

The steel should be dry, dust and rust free. If in doubt apply a coat of primer to the steel and let dry. Apply Gerband 586 Tape equally between the membrane and the steel, apply sufficient pressure to ensure good adhesion.

Membrane to Timber:

The timber should be reasonably smooth, dry and dust free. If in doubt apply a coat of primer to the timber and let dry. Apply Gerband 586 Tape equally between the membrane and the timber, apply sufficient pressure to ensure good adhesion.

Membrane to Concrete:

The concrete should be smooth, dry and dust free. It is recommended that a coat of primer is applied to the concrete and let dry. Apply Gerband 586 Tape equally between the membrane and the prepared concrete, apply sufficient pressure to ensure good adhesion.

Gerband Fortax 6400 Adhesive Sealant

One component adhesive, suitable for permanent airtight adhesion of construction membranes to masonry concrete, plaster, wood and similar substrates.

Application

- Airtightness layer must be stress-free and mechanically fastened.
- The substrates for the Fortax 6400 must be non-sandy, clean and dry. Impurities such as dust, grease, oil, tar, bitumen and release agents like surfacants and silicones
- Poor surfaces should be pre-treated with the Gerband Primer and a sample application should be tested.



7.0 A Concrete floor bein pared by brushing t/debris with paint brush









Fitting Instructions:

1 The bonding surfaces should be dry and dust-free.

ORTAX® 640

- 2 Apply a single 6-8mm bead of Fortax 6400 on substrate, extra should be applied where the surface is uneven.
- 3 Gently press the membrane against the sealant, ensure there is no stress on the membrane.
- 4 Apply Fortax 6400 Sealant in the overlaps at the corners.
- 5 Allow Sealant to dry and check for secure bonding.



Application Temperature: +5°C - +40°C Storage Temperature: $+5^{\circ}\text{C} - +25^{\circ}\text{C}$ Shelf Life (Un-opened): 12 months. Disposal: Normal Refuse.

PHS Split Release (Window Tape)

Application

- Surfaces must be stable, dry, free of grease and dust, and may not contain adhesive-repellent coating.
- For bonding MDF boards or masonry surfaces we recommend preconditioning the surfaces with the Gerband Primer.
- The installer should firstly apply a sample of the tape and test adhesion.
- Cut the required length of tape; fold the tape along the split line.
- The 50mm release liner strip is removed and the tape is applied







Fitting Instructions:

- Remove any window protective foil and wipe the frame with a solvent, to remove any undesireable surface residues.
- Measure the required lenth of tape. See Fig 8.0
- 3 The 15mm release liner strip is removed and the tape is applied to the window frame.
- 4 Remove the remaining tape to reveal. See Fig 8.1
- 5 Ensure there is sufficient stress relief on the tape, this prevents pulling of the tape and possible damage. See Fig 8.2

APPLICATION GUIDE





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PHS Fusion Variable Plus (Window Tape)

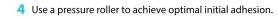
PHS Fusion Variable Plus Window Tape is a special one-sided, full-surface adhesive sealing tape with a polymer film laminated with non-woven fabric on both sides. This Sd variable tape is perfect for fast and reliable sealing of window and door reveals, and can be applied internally or externally. PHS Fusion Variable Plus protects against interstitial condensation by having a variable Sd value. In the winter the tape becomes more vapour closed to prevent moisture travelling into the building fabric and condensing due to reduced temperature. In the summer the tape becomes more vapour open, to allow any moisture that infiltrated the wall in the winter to dry out internally.

Application

- The bonding surfaces must be smooth, dry, free of oil, grease and dust, firm and stable. The reveals have to be smoothed out according to DIN 4108, part 7 for installation of PHS Fusion Variable Plus. Especially in low temperatures, it must be ensured that all bonding surfaces are free of any frost and ice. Application surface may require priming with Gerband Primer, e.g. for solidification of sandy surfaces.
- Application at 0 to -10°C will reduce initial adhesion, although application is possible at such temperatures, high final strength will need longer time of contact.

Fitting Instructions:

- 1 Measure and cut PHS Fusion Variable Plus to length with at least 5cm to spare.
- 2 Peel the cover foil off the self-adhesive strip and press the strip to the back of the window frame. Proceed in this way on all sides of the window frame to be sealed.
- 3 The split protective foil on the full-surface self-adhesive layer is peeled off as required and the tape carefully pressed onto the reveals substrate. Ensure that the tapes overlap in the corners.



Gerband Sd Vario Membrane



Application

- Store in dry rooms from +5C to +25C, protected from UV-radiation.
- The membrane should be applied perpendicular to the direction of the application surface i.e. studs, rafters and joists.
- The membrane should be fixed with staples every 150mm or Gerband 970 Double
- Gerband 586 Airtightness Tape or PHS Grommet should be used for penetrations.
- It is recommended to use Gerband 586 Tape for bonding barrier overlaps, penetrations and repair spots.
- For connections to concrete or masonry Fortax 6400 Adhesive Sealant is recommended.
- Ensure there is a 100mm overlap of the membranes and tape with Gerband 586 Airtightness Tape.







g 6.0-sealing indow to mason

Fitting Instructions:

- Sd Vario Membrane is applied to the building envelope on the warm side of the insulation.
- 2 The membrane should be applied perpendicular to the timbers, with graphics facing the installer (see fig 1.0).
- The overlap joint should be sealed with a 60mm Gerband 586. Take care to apply the tape evenly between the membranes on the joint (see fig 2.0).
- 4 For fixing membrane to masonry apply a 6-8mm bead of Fortax 6400 Sealant to the masonry surfaces (see fig 3.0).
- Ensure there is sufficient stress relief on the membrane's corners and trim back accordingly.
- 6 Services penetrating the membrane should be sealed with Gerband 586 or a suitable grommet.

Gerband Primer 6300

Gerband Primer improves the adhesion properties of the substrate to be bonded. It is designed to prepare rough and sandy application surfaces for airtightness tape adhesion.



g 8.0 Primer being oplied between wall ar all plate with paint bru



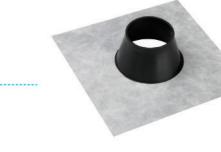


Fitting Instructions:

- 1 Apply Gerband Primer on the surface to be bonded.
- 2 Let the primer dry well for further processing the surface of the applied primer should feel mostly dry.
- 3 Apply several times on difficult substrates, if neccessary, and allow to dry well each time.
- 4 Apply the adhesive tape on the treated surface and press firmyly at once. Please observe the instructions for use of the respective adhesive tape.

Application Temperature: $+5^{\circ}\text{C} - +35^{\circ}\text{C}$ Drying time approx. 30 min - 60 min Storage Temperature: +5°C - +25°C Shelf Life (Un-opened): 12 months. Disposal: Normal Refuse.

Grommets



Grommets

PHS Service

Grommets offer a permanent stress relief and a perfect seal of all services penetrating the air tightness envelope of the construction, reduce the heat loss of the construction, save energy and prevent damage due to humidity.



Fitting Instructions:

- 1 The surfaces must be dust-free and free of grease as well as dry and stable.
- 2 Ensure there is a tight fit between the EPDM sleeve and the service carrier.
- 3a Self-adhesive surface liner should be removed and the grommet fitted to the
- 3b Non-adhesive. Tape grommet with a suitable universal tape to the airtight

Downlight Hoods

The downlight hood prevents air leakage through recessed lights, they also permit insulation to fully cover the recessed light, enhancing the building thermal performance. Tested to and compliant with BSEN 60598.1 and BSEN 60598.2. Fire tested to BS 476.21. Overcomes thermal and vapour transmission to loft voids when recessed lights are fitted.





Waste Pipe Felt Colla

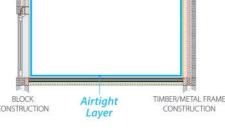
Cable Felt Collar

Fitting Instructions:

- Apply Gerband Primer to the substrate and hood and allow to dry.
- Apply Fortax 6400 Sealant to hood base.
- Fix wires so that they are accessible when hood is fitted, through the hood or under the hood. Ensure any wire penetrations/cut-outs in the hood are sealed with sealant afterwards.
- Fit the hood onto the application area and apply extra sealant.
- 5 Allow sealant to dry before any further work is done around hood.

Air Tightness

integrity of the airtightness layer needs to be maintained throughout construction.



Rev: 180201

Subject to change without notice in line with product advancements. We strongly advise users to test the product's suitability for their own particular requirement. This information is provided without liability. The pictures are for illustration only.

For further details please contact our Product Engineers.

The Intelligent Environment

The application of air tightness products prevents unwanted Air Infiltration & Air Leakage in a building envelope, increasing comfort and reducing energy bills. The vapour controlling functions protects the building structure from interstitial condensation that would otherwise result in mould and structural damage. This is due to unwanted vapour diffusion into the building envelope. When the vapour condenses, it reduces u-values, causes degradation to insulation and other elements such as timbers and plasterboard.

With Gerband you can rely on years of German building physics research, product development, testing and manufacturing.

Advantages

- Cost effective air tightness and vapour controlling products.
- Developed, tested and manufactured in Germany
- CE approved where applicable and DIN4108 compliant.
- Facilitates speedy applications.
- A range of products for the most difficult situations.
- Extensive product support.
- Airtightness & vapour control for Masonry & Timber frame.

