EnCORE RIGID LOC

ACOUSTIC LUXURY VINYL FLOORING
Whether designing a large scale commercial installation or a warm and inviting home interior scheme, aesthetics are just as important as practicality, especially when considering your floor covering.

Expona EnCore Rigid Loc offers a flooring solution that caters for both commercial and domestic interiors. The rigid construction, acoustic layer and use of 5G-i locking technology provides superior performance in a quick to install floor covering.

The collection of 12 faithfully replicated wood designs have been expertly selected for their natural beauty and variation for a more authentic finish. Paired with a fine wood grain surface texture to enhance each plank and our exceptional polyurethane reinforcement (PUR), Expona EnCore Rigid Loc is an ideal alternative to hardwood flooring as it offers all the beauty of real wood with the resilience of vinyl.
Polyurethane Reinforcement (PUR)
The PUR treatment supports a simple cleaning regime.

Clear Embossed Wear Layer
The transparent, extremely dense layer is hard-wearing and protects the decoration of the product. This allows the surface embossing to create a highly authentic effect.

Decoration Layer
An innovative printing technique makes the high-clarity design film a true representation of natural materials.

Rigid Loc Layer
The stable layer can hide subfloor imperfections and the 5G-i locking mechanism allows for quick and easy installation.

Acoustic Backing
The acoustic backing helps reduce impact sound, and makes the floor softer and warm underfoot.

Superior SPC construction
The rigid Stone Plastic Composite (SPC) construction gives the floor superior stability. It is also ideal for laying over existing floor coverings, again saving on preparation and installation time.

5G-i Technology
Each plank in the Expona EnCore Rigid Loc collection features a 5G-i locking mechanism, that makes installation quick and easy. The loose lay format means no adhesive is required, reducing installation time and costs.

Durable comfort
Expona EnCore Rigid Loc incorporates an acoustic backing, reducing impact sound by 19dB, exceeding UK Building Regulations whilst also providing comfort and warmth underfoot.

The addition of a polyurethane reinforcement (PUR) creates a scratch and stain resistant finish that makes Expona EnCore Rigid Loc ideal for modern households with families and pets, as well as heavy commercial interiors with high foot traffic.

Attractive aesthetics
- Beautifully recreated natural wood designs
- Authentic surface textures
- Comfortable & warm underfoot

Exceptional engineering
- Acoustic impact sound reduction of 19dB
- 100% Waterproof
- Quick & easy installation
- No adhesive or underlay required
- Rigid construction, reducing expansion
- Can be laid over existing subfloors*
- Polyurethane reinforcement (PUR)
- Scratch & stain resistant

*R See installation instructions on page 36 for more details on suitable subfloors.

RIGID CORE DESIGN FLOORING

Simply drop down at the short side joint, and press down to lock in place.
Bringing together the natural beauty of timber plank designs and authentic wood surface textures, the Expona EnCore Rigid Loc collection encompasses a wide spectrum of wood species to suit any commercial or residential interior.

Each design features fine grain and knot detailing, creating natural shade variation, and micro bevelled edges for a timeless appearance typical of real wooden floor coverings.
9026 Summerhouse Oak
177.35 x 1212.4mm
Emboss: Timber structure
9028 Rice Wine Oak
127.35 x 12/12.4mm
Emboss. Timber structure
Rich Hazel Oak
177.35 x 1212.4mm
Emboss, Timber structure
9012 Tennessee Oak
177.39 x 1212.4mm
Emboss: Timber structure
9033 Moorland Oak
196.4 x 1212.4 mm
Embossed: Timber structure
9035 Harbour Side Oak
196.4 x 1212.4 mm
Emboss. Timber structure
9037 Shingle Oak
196 x 1212.4mm
Emboss: Timber structure
EnCORE RIGID LOC

ACOUSTIC LUXURY VINYL FLOORING

THE COLLECTION

The following spread summarises the extensive Expona EnCore Rigid Loc collection, featuring accurate product scans and plank sizes. Designs that feature pattern variations and micro bevelled edges are highlighted for easy identification, and the whole collection has been grouped by plank size so depending on the scale of the installation a suitable tile can be quickly selected.
Authenticity is at the heart of Expona, representing the allure, distinction and unpredictability of natural timber. To replicate these materials, the products may contain knots and variation in markings as part of their design.

Although we endeavour to ensure the brochure print process represents the true colour of each product, we recommend you view an actual sample which we shall be pleased to supply, free of charge. Visit polyflor.com and follow the samples link for further details.

Characteristics | Standards | Unit | EXPONA EnCORE RIGID LOC
--- | --- | --- | ---
Type of floor covering | EN 16511 | Multi-layer Modular Floor Covering
Surface treatment | PUR
Total weight | EN ISO 23997 g/m² | 10.800
Performance classification | EN ISO 10874 | 23, 34
Gauge | ISO 24337 | 6.5
Wear layer thickness | EN ISO 24340 mm | 0.55
SIRE acoustic layer | mm | 1
Packaging and plank size (excluding tongue and groove) | ISO 24337 mm | 10 @ 177.35 x 1212.4 = 2.15 m²
| | 9 @ 196.4 x 1212.4 = 2.14 m²
Dimensional stability | EN ISO 23999 % | ≤ 0.2
Residual indentation | EN ISO 24343-1 mm | ≤ 0.1
Impact resistance | EN 13329 Annex F mm | Pass ≥ 1800
Colour fastness to artificial light | EN ISO 105-B02 level | ≥ 6
 Behaviour to fire | EN 13501-1 | Bfl - s1
Slip resistance | DIN 51130 | R10 Class D1 (dry conditions)
Impact sound reduction | EN ISO 10140-3 dB | ≥ 19
Chemical resistance | EN ISO 26987 | *
Abrasion resistance | EN ISO 10582 | Type I ≥ 4000 cycles
| | EN 15123
Caster chair suitability | EN 425 | Yes, 25,000 cycles, type W, EN 12 529
Furniture leg | EN 424 | Pass (no visible damage)
Swelling | ISO 24836 % | Pass (0.0)
Underfloor heating suitability | EN 1264-2 | Suitable max. 27 °C
VOC emissions | Indoor Air Comfort Gold | Eurofins certified product

* Resistant depending on concentration and time of exposure; in case of increased impact of oil, grease, acids, alkalis and other aggressive chemicals please contact us.
GENERAL INFORMATION
Expona EnCore Rigid Loc Flooring is constructed of PVC over a rigid core to offer a strong, durable construction which is 100% waterproof and offers impressive acoustic performance. The 1220mm long panels are available in two widths, 196mm and 1996mm. The panels are locked together without the need for any glue by a unique locking system comprising protruding (upper and lower) male profiles to create a floating floor where the panels can be installed and locked together in a single action. Expona EnCore Rigid Loc Flooring incorporates an acoustic base and therefore requires no underlay. To ensure the best finished appearance it is essential to follow these installation instructions carefully.

PRIOR TO INSTALLATION
When installing Expona EnCore Rigid Loc Flooring panels always follow current national standards for the installation of floorcoverings. Best current installation practice incorporating the latest technical developments should also be employed. The preparation of the subfloor, the installation of the floorcovering and the measures taken to safeguard value are key factors in ensuring optimum suitability and performance of resilient floorcoverings. On receipt of materials, check that the colours correspond to those ordered and that there is no damage or visual defects in the material. Check that the material is from one batch if that was requested. Claims for visual defects can only be accepted prior to installation and cutting.

PREPARATION OF SUBFLOORS
Subfloors should be prepared as described in BS 8203 / DIN 36859 or prevailing local / national standards. Expona EnCore Rigid Loc Flooring can be installed over most hard subfloors, provided they are in accordance with local standards. Subfloors must be hard, clean, and free from contamination, dry, durable, flat and sound. Solid subfloors must be tested in accordance to local standards to ensure they are dry and sound. Carpets and soft floorings are unsuitable as a base for the installation of Expona EnCore Rigid Loc Flooring, and will need to be removed prior to installation. Remove all debris and vacuum the whole subfloor area prior to commencing the installation.

Where underfloor heating is used the maximum temperature on the surface of the flooring must never exceed 27°C during the installation period. The climatic conditions acceptable for the installation of Expona EnCore Rigid Loc Flooring are:

- Air Relative humidity < 50–60%
- The use of safety glasses and protective gloves should also be considered.
- Pull bar
- A bead of contact glue on the cut piece and a saw or with a sharp utility knife (Fig 10). Carefully cut any excess with either a saw or a handsaw, using an offcut panel as a guide for the height and the amount to trim off the door frame. Cut the slice under the door frame.

EXPONA ENECORE RIGID LOC FLOORING
Expona EnCore Rigid Loc Flooring is a loose lay product. In areas subject to large temperature fluctuations such as heavily glazed areas and areas subject to direct sunlight, special care must be taken including a larger expansion gap of a minimum 10mm and adequate UV protection.

INSTALLATION

As Expona EnCore Rigid Loc Flooring is a floating floor, a minimum expansion gap of 5mm should be left around the entire installation perimeter and anything protruding from the subfloor such as radiator pipes, fan heaters, etc. For larger installations over 5m x 5m an expansion gap of 1mm per linear meter of room length should be used. For example, a room 8m x 4m would require an expansion gap of 8mm around the entire perimeter of the room and around anything protruding from the floor. The length is determined by the direction in which the longest side of the panel is to be fitted. In areas under 5m x 5m use small offcuts as spacers between the panels and the walls to help achieve the correct expansion gap size. Skirting boards should be removed and door frames / architraves undercut to allow for possible expansion. A suitable quadrant or scotia trim can be used to cover the expansion gap.

Expona EnCore Rigid Loc Flooring is a loose lay product. In areas subject to large temperature fluctuations such as heavily glazed areas and areas subject to direct sunlight, special care must be taken including a larger expansion gap of a minimum 10mm and adequate UV protection.

If installing in multiple rooms, finish the Expona EnCore Rigid Loc Flooring panels in the doorway on either side of the door to make separate floors. Always lay an expansion gap of 1mm per linear meter of room length for floor installations over 5m x 5m or an expansion gap of 8mm around the entire perimeter of the room. For larger installations over 5m x 5m an expansion gap of 1mm per linear meter of room length should be used. For example, a room 8m x 4m would require an expansion gap of 8mm around the entire perimeter of the room and around anything protruding from the floor. Use small offcuts from the panels as spacers between the panels and the walls to help achieve the correct size gap. Place spacers between the short and long edges of the panel and the walls.

The floor is laid from left to right for the start and from right to left for a right-handed person. Leave 1mm long on either side of the panel to be fitted directly to the wall or skirting board.

First Panel first row:

The panels are laid without glue. Start to lay the floor in the left-hand corner of the room with the lower profile facing towards you (Fig 1). A minimum expansion gap of 5mm should be left around the installation perimeter and anything protruding from the subfloor. For larger installations an expansion gap of 8mm per linear meter of room length should be used. For example, a room 8m x 4m would require an expansion gap of 8mm around the entire perimeter of the room and around anything protruding from the floor. Use small offcuts from the panels as spacers between the panels and the walls to help achieve the correct size gap. Place spacers between the short and long edges of the panel and the walls.

Second Panel first row:

Place the short edge of the second panel beside the short edge of the first panel. Press down until it locks into place. Always try to stagger the short joints approx. 150mm from the nearest short joint in the previous row. Do not forget to include the required expansion gap to the wall.

Second Panel second row:

Gently place the panel close to the short end of the previous one (Fig 7) and fold it down in a single action movement ensuring the corner of the long and short sides correspond to the shorting profiles of the edge of the first panel second row, and the long edge lower profile of the corresponding panel in the previous row respectively. Press down firmly to lock into place. Gently tap this short edge joint perfectly into place using the rubber mallet.

6. Remaining Rows:

Fit subsequent panels into place in the same way by easing the short joints after any hammer / mallet pressure has been released, then the joints will be fully engaged. If they do not reapply pressure until this is achieved. Complete the first row in the same way (Fig 1). Continue in this way to as far as full panels can be installed to the end of this first row.

3. Last Panel first row:

Insert correct sized spacer between the end of the first row and the wall to ensure the correct expansion gap is left. Before cutting this last panel first turn it around through 180° so the overhanging male profile on the short end is facing the spacer / wall. This will ensure you have the correct profile required when positioning. Measure the length of this panel to fit (Fig 4). Cut to correct length (minimum length 350mm).

5. Second Panel second row:

Gently place the panel close to the short end of the previous one (Fig 7) and fold it down in a single action movement ensuring the corner of the long and short sides correspond to the shorting profiles of the edge of the first panel second row, and the long edge lower profile of the corresponding panel in the previous row respectively. Press down firmly to lock into place. Gently tap this short edge joint perfectly into place using the rubber mallet.

7. Last Row:

To cut the panels to fit the last row, position them one at a time directly over the previous row in the direction you will be laying them. Lay these panels on top of the installed row (Fig 9). Hold them firmly in place. Then line up a third panel on top. Place the edge of this panel against the wall after inserting a spacer. Use the edge of this panel to mark the cutting line with a pencil on the panel beneath (minimum width 50mm). Carefully scribe along this line with the utility knife. Remember to place a spacer to the wall before measuring to ensure the correct expansion gap is left. After scribing cut the panels Neilwise. Remember to allow for the expansion gap. Carefully cut any excess with either a saw or a sharp utility knife (Fig 11). Install the floor panel. If necessary put a bead of contact glue on the cut piece and place. Insert a spacer directly behind the inserted piece to wedge it in place ensuring the correct size expansion gap has been left at the door frame. Leave this in place until the glue has hardened (Fig 11).

8. Radiator Pipes:

Mark the centers of the holes on both the long and short sides using a carpenter’s squire and a pencil. Where the marks cross, drill a pilot hole using a thin 6mm or #8 drill bit. Further drill the hole with a spade bit wide enough to accommodate both the diameter of the pipe and the required expansion gap. Cut around as shown with a saw or with a sharp utility knife (Fig 10). Install the floor panel. If necessary put a bead of contact glue on the cut piece and place. Insert a spacer directly behind the inserted piece to wedge it in place ensuring the correct size expansion gap has been left at the door frame. Leave this in place until the glue has hardened (Fig 11).

9. Door Frames / Architraves:

When installing Expona EnCore Rigid Loc Flooring around a door frame or architrave cut into the door frame / architrave with a handsaw, using an offcut panel as a guide for the height and the amount to trim off the door frame. Cut the slice under the door frame.

Because Expona EnCore Rigid Loc Flooring is a floating floor, it can be walked on straight away after it has been installed. Remember to take out any offcuts or spacers you have used to gauge the expansion gap around the perimeter. Skirting boards, base boards, quadrants or scotia can be used to conceal the expansion gap; however they should be fitted directly to the wall or skirting board and never directly onto the surface of the product. Leave a small gap between the two (2mm) to allow for the natural movement of the plank.
ENVIRONMENT
As a leading global manufacturer of high quality, high performance floor coverings, Polyflor have demonstrated a high level of commitment to minimising the impact our products have on the environment, and endeavour to meet these requirements with a focus on sustainability and a healthy indoor climate.

All Expona flooring has the prescribed CE mark, as a European declaration of performance and is regularly tested by external third parties including Eurofins, to ensure the exceptional standards are continually met.

Through these annual external inspections, Eurofins, one of Europe’s leading service providers in the field of analysis, have awarded Expona EnCore Rigid Loc the Indoor Air Comfort Gold rating. This certificate is awarded to products with VOC emissions below any globally determined VOC limits.

All Expona flooring is also 100% recyclable and Expona EnCore Rigid Loc contains average 15% recycled material.

SUSTAINABILITY
As a member of ERFMI, the European Resilient Flooring Manufacturer’s Institute, Polyflor, a company of James Halstead PLC, supports the ideal of sustainable construction.

VISIT US ONLINE
Visit polyflor.com for detailed product and technical information on all flooring collections within the Polyflor portfolio.

Our award winning website provides an easy to follow navigation system to help you find exactly what you are looking for, free downloads, and free product and literature samples which can be easily ordered through the website.

ORDER SAMPLES
Polyflor provide a complementary sample service so you can sample your choice of flooring before you make your final selection, and ensure you find the exact floor covering you are looking for. To order your free sample of any Expona EnCore Rigid Loc colour, visit the Polyflor website, call the dedicated Polyflor Samples Hotline on +44 (0) 161 767 2351 or speak with your local Polyflor provider.

CONTACT US
For general information on your specific project, either speak with your local Polyflor provider or contact us directly.

If you require additional detailed technical data, either visit polyflor.com and follow the links to the technical pages, contact Polyflor Customer Technical Services on +44 (0) 161 767 1912 or email tech@polyflor.com.

ORDER SAMPLES
Polyflor provide a complementary sample service so you can sample your choice of flooring before you make your final selection, and ensure you find the exact floor covering you are looking for. To order your free sample of any Expona EnCore Rigid Loc colour, visit the Polyflor website, call the dedicated Polyflor Samples Hotline on +44 (0) 161 767 2351 or speak with your local Polyflor provider.

CONTACT US
For general information on your specific project, either speak with your local Polyflor provider or contact us directly.

If you require additional detailed technical data, either visit polyflor.com and follow the links to the technical pages, contact Polyflor Customer Technical Services on +44 (0) 161 767 1912 or email tech@polyflor.com.
For details on distribution, as well as up to date product and technical information, please visit

www.polyflor.com