

WATERPROOF COVERINGS/ ACCESSORIES

720 ADHESIVE BONDING OF WATERPROOF MEMBRANE

- **Laying membrane:**
 - On a continuous even coating of adhesive.
 - Do not wrinkle or stretch.
- **Condition at completion:**
 - Fully bonded with no air pockets.
 - **Surface:** Smooth.

740 ADHESIVE JOINTING

- **Side and end joints:**
 - **Laps (minimum):** 100mm
 - **Preparation:** Not Applicable
 - **Sealing:** Apply continuous even coverage of KS137 to both surfaces leaving the outer 20mm free from adhesive. Mate and roll together. Do not wrinkle or stretch. Apply thin even bead of KS87 sealant and roll out to a thickness of 1mm
- **Condition at completion:** Fully sealed, watertight and free draining.
- **Accessories:** 25mm/ 40mm compression roller

760 PERIMETER OF MEMBRANE

- **General:** Secure membrane at roof edge conditions, changes of plane, curb flashings, upstands to roof lights, etc. with contact adhesive KS137.

SURFACING

850 MEMBRANE WALKWAYS

- **Material:**
 - **Manufacturer:** Hertalan (UK) Ltd. Units E6 & E7, Lowmoor Road, Kirkby-in-Ashfield. Nottinghamshire. NG17 7DE. Tel: 01623 721500. Fax: 01623 721700. Email: sales@hertalan.co.uk Web: www.hertalan.co.uk
 - **Product reference:** Hertalan easy.tiles
 - **Width:** 500mm x 500mm
 - **Thickness:** 12/ 15mm
- **Colour:** Black, Terracotta, Grey, Green
 - **Attachment:** Fully bonded using KS143
- **Reinforcement:** Not Applicable

COMPLETION

910 INSPECTION

- **Interim and final roof inspections:** Submit roof covering manufacturer's reports.

940 COMPLETION

- **Roof areas:** Clean.
 - **Outlets:** Clear.
- **Work necessary to provide a weathertight finish:** Complete.
- **Storage of materials on finished surface:** Not permitted.
- **Completed membrane:** Do not damage. Protect against damage from traffic and adjacent or high level working.

- Hertalan easy.stick - self adhesive EPDM
- Hertalan easy.tiles - 15mm recycled EPDM decorative tiles in various colours
- Hertalan easy.wipes - cleaning wipes for the removal of Hertalan adhesives
- Edge trims as clause 765

PERFORMANCE

210 ROOF PERFORMANCE

- General: Secure, free draining and completely weather tight.

PRODUCTS

360 PLYWOOD OVERLAY TO METAL DECK

- **Plywood:** To BS EN 636-2.
 - **Quality:** Naturally durable timber, free from preservatives.
 - **Thickness:** _____ mm.

365 ORIENTED STRAND BOARD OVERLAY TO METAL DECK

- **Oriented strand board:** To BS EN 300.
 - **Type:** OSB/3.
 - **Thickness:** _____ mm.

EXECUTION GENERALLY

510 ADVERSE WEATHER

- **Laying:** Do not lay membrane in wet or damp conditions or at temperatures below 5°C.
- **Unfinished areas of roof:** Keep dry where possible.
- **Work in severe or continuously wet weather:** Suspend or provide effective temporary cover over working area.
- **Unavoidable wetting:** Minimise and make good any damage.
- **Incomplete areas of membrane:** Protect from wind action.

520 INCOMPLETE WORK

- **End of working day:** Provide temporary seal to prevent water infiltration.
- **On resumption of work:** Cut away tail of membrane from completed area and remove from roof.

SUBSTRATES/ VAPOUR CONTROL LAYERS/ WARM ROOF INSULATION

650 INSTALLING OVERLAYS TO METAL DECK

- **Setting out:** Lay boards in brick pattern with long edges at right angles to troughs in deck.
 - **Joints:** 2 mm.
 - **End joints:** Centre over crown of deck.
- **Fasteners:** Do not protrude above surface of board.
 - **Type:** Recommended for purpose by fastener manufacturer.
 - **Spacing:** To crowns of deck: _____.

Timber Surfaces

All timber materials should be fixed in full accordance with the manufacturer's recommendations and must be clean, dry and free from oil, grease and preservatives must be fully cured/ dry. There must not be any height differences in the roof sheets and all fixings must be countersunk, all joints should be installed taking expansion into consideration.

Profiled Steel Roof Sheets

Sheets must be undamaged, clean, de-burred and free of sharp edges or points. The sheets must be attached to each other and to the structure in such a manner that differences in vertical movement between the sheets and/or other structural parts is not possible, the troughs must be free of water and there should be no differences in height. Plywood overlay as clause 650 with taped joints as clause 660 – recommended in new work where the base is a profiled metal deck as a base for the vapour control layer.

Existing Bituminous Roof Coverings

Suitable bituminous substrates must be clean, smooth and free of oil and grease and sharp protrusions, all loose roof covering must be removed prior to the installation of Hertalan. Hertalan *must never be applied in direct contact with a substrate containing low melting point tar or bitumen, in these cases a separating layer of insulation or Hertalan Easy.tex must first be installed to receive the Hertalan.*

- **Roof covering:**

- Manufacturer: Hertalan (UK) Ltd. Units E6 & E7, Lowmoor Road, Kirkby-in-Ashfield. Nottinghamshire. NG17 7DE. Tel: 01623 721500. Fax: 01623 721700. Email: sales@hertalan.co.uk Web: www.hertalan.co.uk

- **Lower protective layer (loose laid):** Hertalan easy.tex 300 gr/m².

- **Waterproof membrane:** Hertalan EPDM Roofing System.

Thickness: 1.2 / 1.5 / 2.0 mm

Colour: Black

Attachment:

Fully / Partially bonded as clause 720.

- **Upper protective layer (loose laid):** Not Applicable

- **Surface protection:** Not Applicable

- **Accessories:**

❖ Hertalan KS137 - contact adhesive

- Hertalan KS143 – bonding adhesive
- Hertalan KS87 - lap sealant
- Hertalan KS96 - moisture curing adhesive sealant
- Hertalan KS2000 - acrylic based instant adhesive
- Hertalan roof outlets - Diameters: 40/50/63/75/90/110/125/140 & 160mm
- Hertalan preformed vent sleeves
- Hertalan prefabricated internal, external and skylight corners
- Hertalan Flashing
- Hertaled, the alternative to lead
- Hertalan easy.weld / Flash.Weld

J42 SINGLE LAYER POLYMERIC SHEET ROOF COVERINGS

To be read with Preliminaries / General Conditions.

TYPE OF COVERING: ADHERED SYSTEM

130 COLD ROOF COVERING

Hertalan (UK) Ltd EPDM single ply roofing membrane systems are designed for use on all types of roof and can be loose laid and ballasted or fully/partially adhered. Hertalan can also supply a secret mechanical fixing system using specially designed flaps of EPDM hot welded to the membrane, with the spacing of the flaps and the number of fixings required calculated by the Hertalan technical department depending on the type of roof construction, local wind conditions, roof area and shape. The roofing system is manufactured to combat ageing and is designed to be unaffected by ozone, UV radiation and strong sunlight. The membrane is 100% root resistant. Installation is only carried out by operatives trained and approved by Hertalan (UK). Consult with Hertalan (UK) for a list of approved contractors. The manufacturer offers a 20year guarantee on all materials.

Hertalan loose laid and fully adhered EPDM roofing systems have been awarded the British Board of Agrément Certificate No 91/2728/C.

Dimensions: Prefabricated custom-made formats in any dimension up to 2.000m² in one piece.

- **Substrate:**

Plywood overlay to galvanised steel metal deck – minimum 0.7mm thick
Plywood overlay to aluminium metal deck – minimum 0.9mm thick
Timber board deck
Plywood deck
Cement bonded particle board deck
Oriented strand board deck
Wood wool slab deck
Aerated concrete slab deck

- **Preparation:**

The structure of the substrate to receive Hertalan must be in full accordance with current building regulations and practice.

Pitched/Sloping Roofs

The slope of the structure must comply with all current regulations

Concrete

All concrete substrates should be sufficiently hardened and cured, the surface should be smooth, clean, dry and free from oil and grease, all other surfaces to receive Hertalan should also meet this criteria.