

# Ruberfort HP

## Product Data Sheet

### BS 747 Type 5 Bitumen Roofing Membranes

December 2005

#### Features and benefits

- Traditional pour & roll application
- Tough polyester bases
- Track record of proven performance
- Choice of price/performance variants
- All Ruberfort products comply with BS 747 2000 Type 5
- 10 year linked guarantee covering materials and workmanship when installed by a Registered Contractor

#### Description

Ruberfort high performance roofing systems comprise a range of polyester based roofing membranes utilising a coating of oxidised bitumen. The polyester bases provide strength and durability well in excess of that provided by either fibre or glass fibre based roofings.

The Ruberfort range includes roofing products manufactured to BS 747 Type 5: 2000 enabling the specifier to choose a system in accordance with his particular cost and performance requirements.

Ruberfort HP membranes are available in sand or a choice of green or blue/grey slate finishes.

#### Product details

Dimensions and weights	Ruberfort HP350		Ruberfort HP250		Ruberfort HP180		Ruberfort HP125
	Sand	Slate	Sand	Slate	Sand	Slate	Sand
Base weight g/m <sup>2</sup>	350	350	250	250	180	180	125
Roll width m	1	1	1	1	1	1	1
Roll length m	8	8	10	10	16	10	16
Weight kg/m <sup>2</sup>	4.3	4.5	3.0	3.9	2.3	3.4	1.8
Roll weight kg	34	36	30	39	33	34	29
<b>Typical performance</b>							
Tensile strength to							
MOAT 30 MD	700	700	650	650	400	400	350
(N/50 mm) TD	650	650	600	600	300	300	300
Elongation at break							
to MOAT 30 MD	20	20	45	45	20	20	20
(%) TD	30	30	50	50	20	20	20

#### Product range

##### Ruberfort HP350

Utilises a 350gsm polyester base, coated in oxidised bitumen. This combination provides outstanding durability compared with traditional felts. Ruberfort HP350 is available sand surfaced or with a surface finish of green mineral. It is manufactured to BS 747 Type 5B/350 and 5E/350 and is designed for use on flat (1:80 minimum) or pitched roof decks complying with BS 8217:2005.

##### Ruberfort HP250

Utilises a 250gsm polyester base, coated in oxidised bitumen. This combination provides excellent durability and flexibility. Ruberfort HP250 is available sand surfaced or with a surface finish of green mineral. It is manufactured to BS 747 Type 5B and 5E (250) and is designed for use on flat (1:80 minimum) or pitched roof decks complying with BS 8217:2005.

## Ruberfort HP180

Utilises a 180 gsm polyester base, coated in oxidised bitumen. This combination offers the features of robustness, puncture resistance and nail holding strength. Ruberfort HP 180 is manufactured to BS 747 Type 5B and 5E (180), designed for built up specification on flat (1:80 minimum) or pitched roofs. It is available sand surfaced, or with a surface finish of green or blue/grey mineral granules

## Ruberfort HP125

Utilises a 125 gsm polyester base, coated in oxidised bitumen. The roofing is sand surfaced on both sides and is used as a lightweight underlay. It is manufactured to BS 747 Type 5U. Ruberfort HP125 has good nail holding strength. This layer is not suitable to receive torch applied subsequent layers.

## Application

Ruberfort HP membranes should be installed in accordance BS 8217: 2005, Code of practice for reinforced bitumen membranes for roofing, and to Permanite specifications. Ruberfort HP membranes are applied by traditional pour & roll methods. Hot bitumen is poured (or applied by a mop) in front of the roofing felt roll, which is then unrolled into the bitumen, spreading it to give a continuous coating for the full width. The membrane is applied with minimum 75 mm side and end laps.

Note: Ruberfort HP 180 and 125 membranes are also suitable for application with cold applied Permanite Roofing Felt Adhesive.

## Built-up roofing alternatives

Ruberfort HP membranes are typically installed in two and three layer systems. In a two-layer system both layers should be fully bonded, the underlay being bonded to a suitable insulation or substrate. In a three-layer system the cap sheet and intermediate layers should be fully bonded to a random nailed (BS 747 Type 5U) preparation layer or BS 747 Type 3G perforated underlay, depending on the substrate or insulation specified. Detailed specification advice is available from the Permanite Technical Services Department.

Note: Where using cold applied adhesives a BS 747 Type 3G perforated layer should not be used, a partial bond is achieved by "spot" or "strip" bonding the first layer of membrane with the cold applied adhesive.

## Health and safety

A Health and Safety data sheet relating to Ruberfort HP is available from the Technical & Design Services Department on 0800 783 3210 or E-mail [roof.tech@permanite.com](mailto:roof.tech@permanite.com). Alternatively, Health and Safety data sheets for all Permanite products are available as down-loads from the Permanite web site: [www.permanite.com](http://www.permanite.com)

## Technical and design support

Technical advice can be obtained from the Technical & Design Services Department on:  
Tel: 0800 783 3210 Fax 01629 583375 Email [roof.tech@permanite.com](mailto:roof.tech@permanite.com)

## Other products

Permanite is part of the IKO Group which manufactures and supplies a wide range of high performance, insulated roofing systems including bituminous membranes, mastic asphalt, hot melt and polymeric single ply. The range also encompasses green roof systems, DPCs/DPMs/tanking materials and liquid waterproofing solutions and compounds. Full product literature is available as downloads from the web site: [www.permanite.com](http://www.permanite.com) or on request by email: [marketing@permanite.com](mailto:marketing@permanite.com)

### Permanite Engineered Roofing Systems

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