

# POWERBASE<sup>®</sup> Vapour and Gas Barrier Solutions

## VOC AND HYDROCARBON CHEMICAL RESISTANT BARRIER MEMBRANE



### PRODUCT DATA

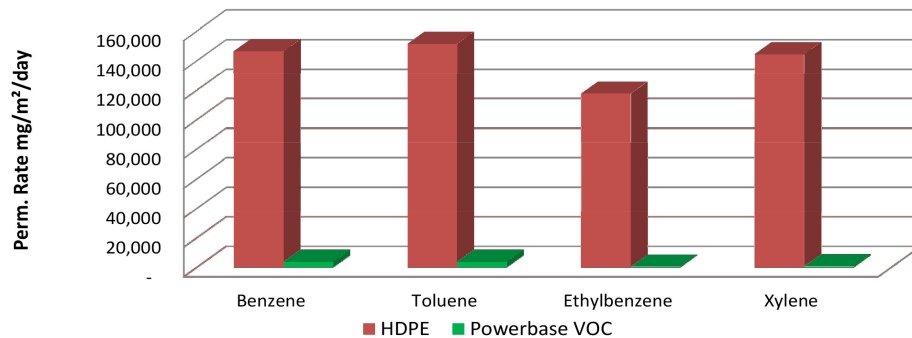
Revision 5.1

powerbasevoc.com

**Powerbase<sup>®</sup> VOC** is a composite membrane comprising protective polymeric layers on both sides of a chemical resistant hydrocarbon barrier inner core. It has exceptional and proven resistance to hydrocarbons, volatile organic compounds (VOCs), methane, radon and carbon dioxide. It is designed for use in covered installations with a low level of mechanical constraints and no risk of puncture or abrasion for contaminated land and brownfield site development

| PRODUCT  | Colour     | Weight / Thickness<br>EN 1849-2 | Tensile strength<br>EN 12311-2<br>N/50mm | Nail tear resistance<br>EN 12310-1<br>Newtons | Elongation<br>EN 12311-2<br>% | NHBC gas proction measures        | Gas permeability   | Temperature range<br>°C | Water vapour resistance<br>DIN 53122<br>g/m <sup>2</sup> /day | Sizes<br>metres | Roll weight<br>kg | Pallet quantity<br>rolls |
|--|------------|---------------------------------|--|---|-------------------------------|-----------------------------------|--|-------------------------|---|-----------------|-------------------|--------------------------|
| <b>VOC AND HYDROCARBON CHEMICAL RESISTANT BARRIER MEMBRANE</b> |            |                                 |  |   |                               |                                   |  |                         |   |                 |                   |                          |
| <b>POWERBASE VOC</b>   | Blue/Green | 475gsm<br>500 µm                | MD 435<br>XD 430                         | MD 310<br>XD 350                              | MD 722<br>XD 715              | ★ Green<br>★ Amber 1 & 2<br>★ Red | EN ISO 15105-2<br>Benzene: 4 g/m <sup>2</sup> /day<br>Toluene: 4 g/m <sup>2</sup> /day<br>Ethyl Benzene: 5 g/m <sup>2</sup> /day<br>Xylene: 8 g/m <sup>2</sup> /day<br>EN ISO 15105-1<br>Methane: 0.14 ml/m <sup>2</sup> /day/atm<br>CO2: 3.01 ml/m <sup>2</sup> /day<br>Radon: 1 x 10 <sup>-14</sup> /m <sup>2</sup> /s | -40 to +70              | 0.2   | 3 x 50          | 71                | 11                       |

ISO 15105-2B test data



#### Installation:

Join on site with hot-air or hot-wedge welding, or with Powerbond Butyl Tape. See separate installation instructions for full details.

#### Other Powerbase products:

Damp Proof Membranes • Radon Gas Barriers • Radon, Methane and CO<sub>2</sub> Gas Barriers

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