

# HYPERSEAL BR series



## Hydrophilic Butyl Rubber for in-situ concrete

### Description

Hyperseal BR is a high performance hydrophilic butyl rubber waterstop, which swells to form a long-lasting water-tight compression seal. The swelling action is the result between water and hydrophilic groups which are part of the Hyperseal BR molecular structure.

### Uses

Hyperseal BR is suitable for all static or low movement construction joints, cold-joints and penetrations where there is any concern regarding water penetration.

### Typical Areas of Application

- Concrete foundations and walls
- Concrete slabs on grade
- Elevated slabs and ramps
- Elevator and equipment pits
- Parking structures
- Precast construction
- Swimming pools and water features
- Water towers, reservoirs and water storage tanks
- Tunnels, pipes and underground vaults
- Marine environments
- Suitable for most Shotcrete and Pile applications

### Advantages

- Long-lasting durability
- Easy to install, requires no welding or complex detailing
- Self-adhesive backing
- Light-weight for easy handling
- Slow expansion coating to prevent damage to freshly placed concrete
- Conforms to uneven surfaces without the use of additional products
- Stainless Steel net insert for strength
- Swelling properties unaffected by long term wet/dry cycles
- Suitable for salt-water
- Sustains effective seal in submerged environments
- Safe for potable water and no VOC.

### Design Criteria

Hyperseal BR can be installed to either a channel formed in the concrete or directly onto the concrete surface. For quick installation it is recommended that a relatively smooth surface be provided along the path of the Hyperseal BR, however a moderate amount of irregularity can be accommodated.

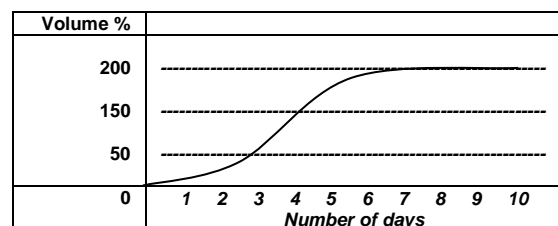
Always ensure that there is a minimum of 50mm cover from the edge of the concrete to the face of the Hyperseal BR to prevent concrete blow-outs. Where possible, situate the Hyperseal BR between two rows of reinforcing steel as this will assist in preventing product displacement.

### Physical Properties



|                                       |  |
|---------------------------------------|--|
| Form:                                 | Pliable rubber strip                                 |
| Colour:                               | Grey   |
| Expansion:                            | 200%   |
| Specific gravity<br>ASTM D-71:        | 1.20   |
| Hydrostatic resistance:               | >500kPa (50m head)                                   |
| Accelerated Aging<br>Flow Resistance: | No Abnormality<br>Mechanical Oven 24 hrs. @<br>70°C. |
| Cold-resistance test:                 | No Abnormality                                       |

#### Typical swelling:



|                    |   |
|--------------------|---|
| Profile/Packaging: | BR-2510NC<br>25mm x 10mm x 5m roll<br>(6 x rolls/box) |
|--------------------|---|

Area Distributor:

[www.krystol.com.au](http://www.krystol.com.au)

Krystol Pty Ltd ABN: 43 104 697 761 26 Monro Ave Kirrawee NSW 2232 Phone: 02 9545 3111 Fax: 02 9545 3022 Email: enqs@krystol.com.au

## Safety

Before using or handling materials, please read all relevant Material Safety Data Sheets (MSDS).

## Application instructions

1. Carefully brush off all loose dirt, dust and debris from joint surface.
2. Place Hyperseal BR in approximate position.
3. Remove protective backing from the adhesive side in small sections, and use moderate hand pressure to press a continuous roll of Hyperseal BR firmly onto the surface.
4. Ends can be either butt-jointed or kneaded together to form a continuous, uninterrupted seal.
5. Check to be certain the Hyperseal BR has adhered to the area fully.
6. If normal bonding properties are hindered, utilise a suitable contact adhesive or concrete nails as required.
7. Placement of concrete can proceed as soon as sufficient bond of the Hyperseal BR to the concrete has occurred. Care should be taken not to displace the Hyperseal BR during this process.



## Storage

Hyperseal BR must be stored in a cool dry place. Any leftover material from site usage should be immediately returned to the original box and stored as outlined.

## Shelf Life

Minimum 12 months when stored under recommended conditions.

## Limitations

Delays which may leave the waterstop exposed to inclement weather or moisture for an extended period could cause the material to expand prematurely. If this occurs please allow the product to fully dry out either naturally or by using a hot air gun before covering with concrete.

## Technical support

For any additional information not expressed in this document, please contact your nearest distributor on the details below.

## Warranty

The seller warrants that at the time of shipment its products are free from manufacturing defects and, when applied in accordance with the current specification and application instructions, will perform as so stated in its product literature. Fit for purpose - project specific warranties are available on request; please consult your nearest distributor for further information.

## Product Disclaimer

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations are only for the uses they are intended. Krystol does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product. We also reserve the right to update information without prior notice to you to reflect ongoing research and development programs. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with any relevant items.

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