



## HIND HYDROSWELL

### PRODUCT DATA SHEET

#### HYDROSWELLING JOINT SELANT FOR CONSTRUCTION JOINTS & COLD JOINTS

##### DESCRIPTION

**Hind Hydroswell** is a flexible strip, fabricated from hydrophilic expanding rubber in combination with chloroprene rubber. As soon as it comes into contact with water or any other liquids, the ultimate result, it expands to make a water tight seal all around.

##### USES

**Hind Hydroswell** when compacted in between prefabricated concrete elements or in-situ concrete swell and expands when it contact with water filling voids in the joints. Due to its flexibility and the capacity of swelling the movement of the construction is absorbed by **Hind Hydroswell**.

##### FEATURES AND BENIFITS

The swell-capacity of **Hind Hydroswell** is infinite and reversible, as a result the durability and the effectiveness for its application gets enhanced throughout the designed life span of the construction.

##### APPLICATION

**Hind Hydroswell** is designed to resolve all waterproofing problem in the field of civil construction. It is used to make construction and cold joints water tight. It has its application in pipe penetrations , sewage systems , sealing of annular opening for pipe insertion in concrete walls and subterranean prefabricated concrete elements. **Hind Hydroswell** has already proved its efficient functioning in water reservoirs, swimming pool construction joints, underground car parks, water treatment plants and underground basements.

##### INSTALLATION PROCEURE

###### SURFACE PREPARATION

The surface of the joint should be even, completely dry and free from dust ,oil, grease and laitance. It should be fully ensured that the joint is dry before installing **Hind Hydroswell**. If moisture or humidity persists, use of a hot air blower is recommended to make the joint surface absolutely dry.

###### APPLICATION OF ADHESIVE FOR CONTACT

Application of adhesive (glue) is to be done on concrete and **Hind Hydroswell**. The adhesive should be allowed to become tacky before application to obtain complete adhesion to the surface. **Hind Hydroswell** is pasted with the smooth and even side towards the existing concrete surface by pressing it onto the tacky adhesive.

###### INSTALLATION

**Hind Hydroswell** is placed in the middle of the joints, between the inner and outer reinforcement bar. The concrete cover around **Hind Hydroswell** should be minimum of 7cm to counter balance the expansion pressure exerted by the strip. The ends of the **Hind Hydroswell** are to be butted together. When used in in-situ concrete, the strip can be nailed to prevent from slipping away during concrete pour.

##### PROPERTIES

Aspect	Black flexibe rubber strip
Density	1.56 + 0.05
Tensile Strength	70 -72 Kg/cm
Elongation at break	625%
Hardness (JIS- A)	47

## PACKING

5 X 15 Mtr. Roll per Cartoon.

## HANDLING PRECAUTION

**Hind Hydroswell** is to be stored in a cold and dry place and should be protected from dampness for good results.

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### Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
- Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

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(AN ISO 9001: 2015 COMPANY)

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