

## TECHNICAL DATA

### DRYBITUS SELF ADHESIVE WATERPROOFING MEMBRANE

#### DESCRIPTION:

Drybitus self adhesive waterproofing membrane consists of a self adhesive polymer modified bitumen layer coated on to a tough high density polyethylene film and protected on the other side by a silicone release film.

#### USES:

Drybitus membrane are generally used as waterproofing or damp proofing membrane intended for concrete protection. It may be used for horizontal and vertical application and as a damp proof course for lanking below ground structure, subways and retaining walls.

#### ADVANTAGES:

- Cold applied, self, adhesive and easy to apply
- Excellent adhesion to vertical and horizontal surfaces
- Improved heat resistance
- Excellent resistance to chlorides, sulphates, dilute alkalis and acids
- Good tear and puncture resistance
- Water and vapour proof.

#### APPLICATION INSTRUCTIONS:

##### Surface Preparation:

A smooth, regular and dry surface is always a must for good application. The substrate should be completely free of any protrusions or cavities. The presence of oily substance, frost or other moisture should be completely avoided. Apply DRYprime 42 at a rate of 4-6m<sup>2</sup>/lt. as a primer coat. The primer coat should be touch dry before application on the membrane.

##### Application:

The application temperature should be between 4°C to 45°C. The installation procedure is to be as follows.



## TECHNICAL DATA

edges with in close proximity to avoid puncturing the membrane.

### STORAGE:

Drybitus range of membranes must be stored in a shaded area or wooden pallets neatly covered by a thick fabric and tires securely in a manner that will minimize exposure to sunlight.

### DISPOSAL:

Drybitus is a non-hazardous non-flammable material and therefore can be disposed of in any regular disposal area. Drybitus should be disposed of only after wrapping with paper, plastic or cloth as the modified material has tendency to soften under heat and pressure, which would make further handling very difficult.

### HEALTH AND SAFETY:

Drybitus contains a tacky bitumen compound and during application can adhere to human skin. Bitumen stain can be removed by using a cloth dipped in a light solvent. In case the affected area is sensitive, like the eye, please contact the company physician for advice.

## TECHNICAL DATA DRYBITUS

| Properties                                              | Values                                         | Test Method |
|---------------------------------------------------------|------------------------------------------------|-------------|
| Roll length (m)                                         | 10                                             |             |
| Roll Width (m)                                          | 1                                              |             |
| Thickness (mm)                                          | 1.63 ,2                                        |             |
| Coating Mixture                                         |                                                |             |
| Softening point (R&B), °C                               | 100°C                                          | ASTM D 36   |
| Elongation (compound), %                                | >1500%                                         | ASTM D 412  |
| Tensile strength (Membrane), Kpa                        | 2600Kpa                                        | ASTM D 638  |
| Tensile strength(Film), Mpa                             | 23mpa                                          |             |
| Elongation, % (Unlimited failure of rubberized Asphalt) | 300%                                           | ASTM D 638  |
| Adhesion Strength Primed Substrate                      | 2.2 N/mm                                       | ASTM D 1000 |
| Self                                                    | 2.4 N/mm                                       |             |
| Puncture Resistance(Membrane), N                        | 220N                                           | ASTM E 154  |
| Water Absorbtion, %                                     | After 24 hr<br>0.14%<br>After 35 days<br>0.16% | ASTM D 570  |
| Environmental Resistance                                | Conforms                                       | ASTM D 543  |
| Crack Bridging Ability                                  | 1 mm                                           | ASTM C 836  |
| Water Penetration                                       | Pcss                                           | BSEN 12390  |

.All Values given are subject to 5-10% variation.

