



## Say **No** to the Heat outside

Citadel Architectural Solutions Pvt. Ltd. has created a name for itself in making pyramids, greenhouse, skylights, domes, canopies. Catering to the contemporary architectural needs of customers having tastes for modernity, over the years they have introduced a number of innovative products to the Indian consumer. As a logical addition to their product line of roofings, they are introducing a new product "Roof Radiation Barrier" in Indian market.

The much acclaimed "Dynaspec Radiant and Vapour Barrier" from Malaysia, is one of the most effective radiation barrier for roof and wall. Installed beneath conventional metal roofs and behind exterior walls, it provides the most effective radiation barrier preventing the transfer of heat by infrared radiation. The surface's low emissivity of 0.05 prevents it from absorbing or emitting long wave radiation. Thus, 95% of the heat from the exterior of the building is reflected back and heat transfer to the interior is reduced significantly.

Dynaspec radiant and vapour barrier is puncture resistant, having an extremely high tensile strength. It is water proof as well as resistant to most chemicals. It possess tough tear-resistant film backing which makes it superior material for all types of construction.

For cooling applications such as central air conditioning, it cuts electricity costs substantially. The energy savings easily recoups the installation costs and keeps on saving running costs for years thus making economical sense.

Also available at Citadel is a team of highly qualified professional structural engineers & innovative production designers providing comprehensive services right from the drawing board to installation and commissioning presenting the best economical and esthetical solution for your needs.



# Dynaspec

Radiant / Vapour Barrier



## Specifications of

### "DYNASPEC" Radiant and Vapour Barrier.

The Radiant and Vapour Barrier shall have the following properties:-

- Tensile strength, Mpa : Machine Direction 36.2  
Cross Direction 36.4
- Waterproof
- Tearproof
- Emissivity (both sides) 0.05
- Reflectivity (both sides) 0.95

## Installation Details of DYNASPEC Radiant and Vapour Barrier

### Metal Roofing

- DYNASPEC radiant and vapour Barrier shall be laid across purlins, pulled tight and fasten down by fastener with washer either rubber or galvanise on both ends
- P.V.C. adhesive tape shall be used to hold down (temporary) the DYNASPEC by taping the sides of the DYNASPEC onto the purlins at minimum every two purlin spacing to prevent wind up-lifting while work is in progress
- **Overlapping** of DYNASPEC shall be two inches

### Tile Roofing

It shall be laid across rafters.

Overlapping shall be according to the pitch of the roof as follows:

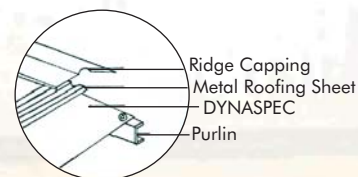
#### **Roof Pitch**

- 15° and below
- 16° - 24°
- 25° and above

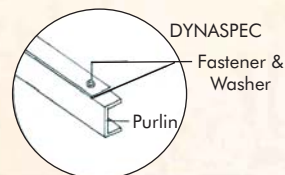
#### **Overlapping**

- 6" and taped with 48mm width DYNASPEC Tape
- 6" overlapping without taping
- 4" overlapping without taping

### Detail "A" - Ridge Details



### Detail "B" - End Purlin



Dynaspec Sdn. Bhd. Is a registered company in Malaysia. The product DYNASPEC Radiant & Vapour Barrier is tested and approved by SIRIM Testing Services Department of Malaysia

Website: [www.citadelarch.com](http://www.citadelarch.com)



#### **Corporate Office:**

300, R. R. Realty, R. R. Paints Compound, L.B.S. Marg,  
Bhandup (W), Mumbai 4000 078.

Tel. No.: 91-22-67718900 Fax: 91-22-67718999

E-mail: sales1@citadelarch.com info@citadelarch.com

Branch Off: Delhi: WZ-1656 A, Nangal Raya, D-Block, Janak Puri, New Delhi-110 058 Tel. No.: 011-29840120/  
32995258 Telefax: 011-298 40120 E-mail: info-delhi@citadelarch.com

Pune: Flat No. 1, Gulraj Enclave, Survey No. 50, Kondhwa Road, Near Satyanand Hospital, Kondhwa, Pune - 411 048  
Tel. No.: 91-20-3231 4935 -37 Telefax: 91-20-2693 2250 E-mail: sales@germiniagro.com