

## **SPECIFICATION:**

Jaydex Asphalt Shingles with a Mineral Chip Finish for a Pitched Plywood Roof

**ROOFING SOLUTION**

**ASPH160p**

**OCT 2009**

### **INTRODUCTION**

This specification is for the preparation and installation of fibreglass encapsulated asphalt shingles with mineral chip finish to a plywood substrate.

### **SUBSTRATE PREPARATION**

#### **General Responsibility**

Unless expressly agreed otherwise at time of contract pricing, all work in this section shall be the responsibility of the Main Contractor, whether carried out by his own staff, other sub trades or the specialist finishes sub contractor.

#### **Plywood**

Plywood shall be the minimum 15 mm thick CD treated structural T & G plywood, unless otherwise expressly stipulated by the Specifier. Plywood is to be installed at a maximum of 1200 mm centres or as stipulated by the Plywood Manufacturers or their Representative.

#### **Sheet Layout**

All sheets shall be laid out so as to maximise the use of whole sheets. All sheet joints shall be laid over framing members, in a staggered pattern

#### **Sheet Spacing**

All sheets shall be laid loose, butt jointed or linked together with the tongue and groove plywood system. T&G acts as extra framing.

#### **Sheet Fixing**

Plywood must be fixed in accordance with the manufacturers instruction taking into account wind loading, frame spacing and ply thickness.

Screw fixing is preferred using countersunk corrosion resistant screws. All sheets to be laid in a bead of construction adhesive along all framing members. All fastener heads shall be recessed below the level of the sheet face.

#### **Roof Pitch**

The roof pitch shall be not less than 15 degrees.

### **MEMBRANE INSTALLATION**

#### **Underlayment**

Apply Thermafelt 215 thick oxidised bitumen membrane to all prepared plywood surfaces beginning from the bottom of the roof and nail into place.

#### **Drip Edge**

Install the metal drip edge over the Thermafelt 215 into the plywood at the bottom of the roof by cutting into length and nailing into place.

#### **Metal Square Apron**

Install the metal square apron onto the plywood prior to installation of the shingles.

### **Metal Angle Apron**

Install the metal angle apron where applicable.

### **SHINGLE INSTALLATION**

Apply the shingles in rows beginning from the drip edge in a staggered formation to gain maximum waterproof integrity and nail or staple into place.

The top five rows of shingles or where necessary are to be sealed down using plastic cement.

For cyclone conditions it is recommended that all shingles are treated with plastic cement.

### **HIP SHINGLES**

Hip details are cut out of the shingles already in use to fit the roof pattern and cover the hips in the roof.

### **VENTS**

Vents for Roof cavities may be installed to reduce cavity temperatures either by placement of ridge vents and/or vent units placed strategically on the flat sloped area of the roof.

### **STAGING**

Where there are steep pitches or difficult areas to gain access to , staging and scaffolding must be supplied to meet the required site safety conditions.

### **GENERAL**

It is important that the shingles are sorted out in piles on the ground and then used from these piles to ensure no colour differential occurs.

Shingles should not be laid in inclement weather as they become very slippery and dangerous. Nailing should be carried out using only full head zinc coated nails either smooth or twisted and 22 to 38 mm in length or stainless steel staples.

### **WARRANTY**

The roofing system Glass fibre shingles described in this specification may be warranty as to be waterproof for a period of up to thirty (30) years providing that:

All work is carried out by a Jaydex Licensed Contractor

All work is carried out in accordance with this specification or any amendments or additions thereto made by the manufacturer or his representative.