

# DO NOT CONFUSE

## MODIFIED BITUMEN with AIR BLOWN (Oxidised) BITUMEN

**Modified Bitumen**, is a mixture of non oxidised bitumen with plastomer polymers and/or elastomers, uniformly distributed in the bituminous mass



**Modified polymer-bitumen membranes, composed of distilled bitumen and elasto-plastomers**

Glassfibre or polyester fabric reinforcement, impregnated with modified bitumen. The production technologie requires complex equipment for mixing the bitumen with the elasto-plastomers.

The elasto-plastomers polymers offers the following properties :

- **flow resistance: min 110°C (SBS) and 120°C (APP);**
- **melting point: > 150°C;**
- **cold flexibility: from 0°C to -30°C;**
- **elasticity at low temperatures;**
- **good adhesion to the surface;**
- **high mechanical performance and very good aging properties;**
- **lifetime 15-20 years;**
- **Producer's guaratee: 10 years;**

**Attention, they look common (have joint appearance)!**

# CONFUSE

## AIR BLOWN (Oxidised) BITUMEN

**Air Blown Bitumen**, is the extraction bitumen, oxidised by air blown at high temperatures, in order to obtain an increased hardness and a 70°C - 90°C softening point.



**Oxidised bitumen membranes**

Glassfibre or polyester fabric reinforcement, impregnated with oxidised bitumen.

The membranes characteristics are due to the bitumen properties in its primary phase: melting point between 70°-90°C (during summer, the temperature of the roof may rich 60°70°C).

**Producer's guarantee: 3-4 years.**



**Cartonfelt**

Paper or fiberglass, impregnated with oxidised bitumen.

**Producer's guarantee: 2 years.**

**Properties :**

- **softening point : 70° - 90°C**
- **thermal stability : 70° - 90°C**
- **fragility at low temperatures**
- **reduced flexibility**

- mineral slate chips
- polyethylene film
- identification strips
- both are applied by torching