

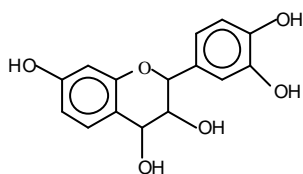
PHENOTAN AP

Particleboard – MDF - OSB

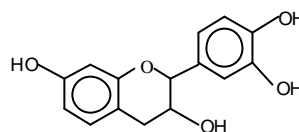
PHENOTAN AP is a vegetable origin adhesive, developed for particleboard, MDF and OSB panels manufacture obtained from Mimosa extract, also know as Wattle extract.

PHENOTAN AP consists of a chemical modification of the Wattle bark extract, which improves reactivity and the performing in terms of viscosity, strength and water resistance.

Generally, Wattle bark extracts (commonly known as tannin extracts or Mimosa extracts) are composed of flavonoid units (polyphenolic compounds) which present various degrees of condensation, and have been associated with flavan 3-ol, flavan-3, 4-diol, carbohydrates and small amounts of amino/imino-acids.

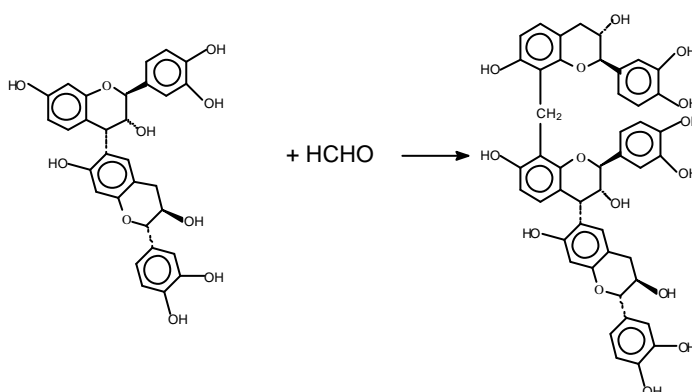


FLAVAN-3,4-DIOL



FLAVAN-3-OL

Considering that wattle structures are similar to phenolic compounds, and react as phenolic resins, it is possible to produce polymerization using Mimosa extracts or their modifications (like **PHENOTAN AP**) at the same well-known formaldehyde cross linking reaction.





At the same way, the panels obtained by the use of **Phenotan AP** present very low formaldehyde free content, comparing the traditional synthetic adhesives.

Phenotan AP is also available in powder form, very easy soluble in water. The storage for long periods of **Phenotan AP** is possible at this way, with no damage to the activity.

CHARACTERISTICS:

Moisture	4.5 – 6.5 %
Viscosity at 25 °C (aq. Soln. 48 – 52 % w/v)	250 – 750 cP
pH	6.6 – 7.2
Gel-Time (paraformaldehyde)	60 – 120 s

The suggestions and recommendations given are based on our experience but do not constitute a warranty from our part. Our clients shall conveniently adjust the recommended products to their working conditions as well as to the other products applied during the process.

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