

STORING WOOD

The Dry Air Specialists

Advantages of dehumidification in wood stores / the wood industry:

- **Ensure the right moisture ratio**
- **No change in shape**
- **No additional drying required**



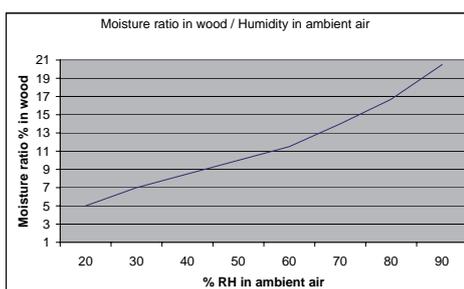
The significance of air

Sawn timber is exposed to the ambient air and so is in equilibrium with the level of moisture in the ambient air. Both the temperature and the moisture of the wood adapt. Wood which is sawn and dried is particularly susceptible to changes in moisture.

Storing sawn timber

Dried, sawn wood for furniture production, for example, shouldn't have a moisture ratio in excess of 8–9 %. Other timber for doors or windows, for example, should have a moisture ratio of around 12 %. If this kind of timber is stored in an area without dehumidification, the quality may vary greatly. Varying moisture levels may cause the structure of the wood to change, which may cause problems with processing the wood during final

The diagram shows the moisture ratio in wood in relation to the relative humidity of the ambient air.



production when manufacturing furniture, for example. This can lead to end-customers being not entirely satisfied with their goods.

Thus the greatest threat to wood quality is the fluctuating, varying moisture content in the ambient air.

Recusorb Timber – dehumidification optimised for wood stores

The aim of dehumidification in wood stores for the wood products industry is always to attain a constant indoor climate so that the supplier of wood products can guarantee the high, consistent quality of its goods for end-customers. Recusorb works with heat recovery and can use steam, electricity, gas or hot water as regeneration power source.

Recusorb Timber dehumidifiers can optimise the indoor climate in wood stores in order to ensure quality.

Controlled climate ensures quality

The moisture ratio and relative humidity are practically independent of the temperature on the premises. So the cost of heating doesn't need to be especially high.

For more information on how dehumidified air can improve the climate in stores, etc., don't hesitate to contact your nearest DST representative.