



**WATER DAMAGE  
RESTORATION**

# Stabilisation of Hard Woods



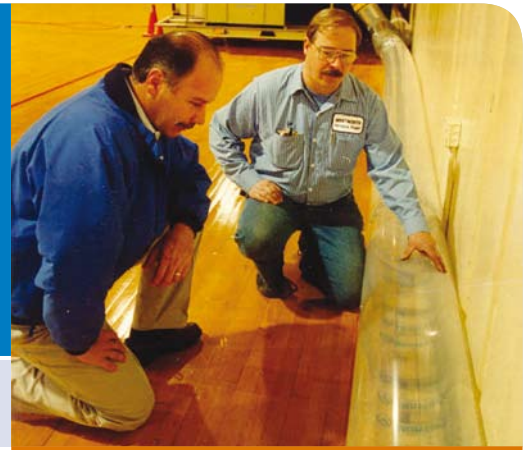
**Property Damage  
Restoration**



**Temporary  
Humidity Control**



**Property Damage  
Prevention**



**APPLICATION**

## Overview

Whether it is a leak or a major flood that has caused damage to hard wood, Munters specialist technicians are able to respond quickly, effectively and appropriately.

Munters drying solutions can negate the need for substantial reconstruction work due to faster response times, the deployment of efficient drying technologies and effective project management. While drying operations may take days or weeks, reconstruction often means months of disruption.

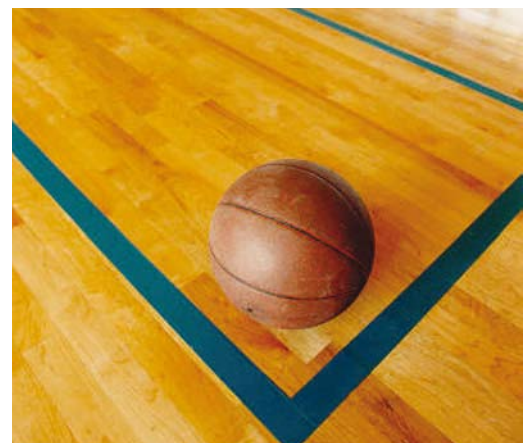
Using deep drying techniques, Munters can reverse the deterioration caused by water damage to all of these materials drywall, insulation, plaster, masonry, electrical corrosion, rusting components and even wood, returning them to their pre-incident condition.

When torrential rain caused the drains to overflow, flooding the floor of the basketball stadium at Kentucky University, the insurers immediately called upon Munters with clear instructions: first, do everything necessary to save the floor and secondly, avoid the enormous costs that the laying of a new floor would involve.

For surface drying Munters recommend the use of a refrigerant or desiccant dehumidifier and an air mover. For in-depth drying, Munters use a desiccant dehumidifier, plus in severe cases intensive heat. The desiccant dehumidifier pump extremely dry air into water damaged buildings this, coupled with the deep drying of ambient and constant air movement causes the moisture in the materials to evaporate much quicker than normal, thereby bringing them back to pre-loss moisture levels more efficiently.

Munters perform initial tests to establish the length of time the material has been exposed to water, the amount of moisture that has been absorbed and how deeply the water has penetrated. And once Munters dehumidifiers have been installed, regular progress checks are undertaken.

If lifting and warping has occurred, it is vital that Munters implement the drying process as quickly as possible to limit further distortion. However, it is important that the drying process is not proceeded too quickly as this could cause the floor to split.



**A restored hard wood floor.**



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## PROCEDURE

Firstly, excess free water and moisture from the air is removed. This is done using a refrigerant or desiccant dehumidifier depending on the local environment. Munters' technicians calculate the required amount of dehumidifiers and fans to ensure an optimum drying process.

Before drying can start it is important to remove all vapour tight surfaces such as carpets, plastic paint, as these slow down the moisture transportation. By reducing the moisture level in the surrounding air and subsequent vapour pressure, the wet material will start to dry. Extra heat is sometimes required to transform the water in the material into vapour, using Munters own proprietary techniques to transport this heat.

Maintaining stable moisture levels ensures a continuous drying process and by controlling this process Munters' technicians are able to assure that the building is completely dry.



A Munters technician takes a moisture reading.

## RESULTS

Cost savings in terms of the cost of the drying process in comparison with the cost of a new floor. Enables efficient re-occupation and use of the room.

## BENEFITS

The timescale for restoration is often much shorter than the replacement time and also attracts a significant cost saving.



Munters equipment in position.



Restoring a sports hall floor.



Monitoring the drying process.