



## Introduction

Hurford Roasted is a process that has been developed to enhance timber flooring properties. It uses ultrahigh temperature and humidity to change the molecular structure of the hardwood and creates an extremely stable, more durable, denser product while darkening the natural colour.

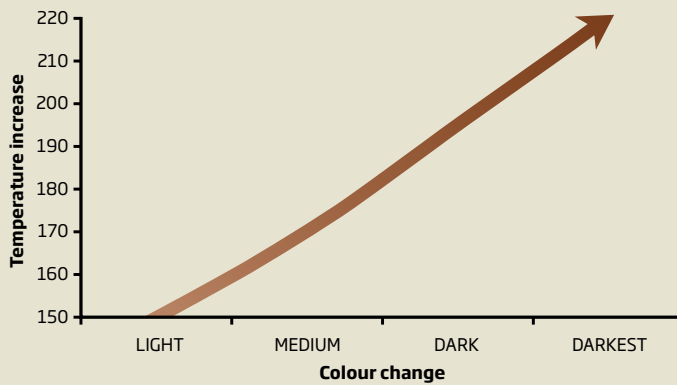
Heating wood to extreme temperatures permanently changes several of its chemical and physical properties. The change in properties is mainly caused by thermic degrading of hemicelluloses. The Hurford Roasting process is carried out in a purpose built Kiln in which the temperature is increased to 185-215 °C, depending on the processing level.

## Colour Change

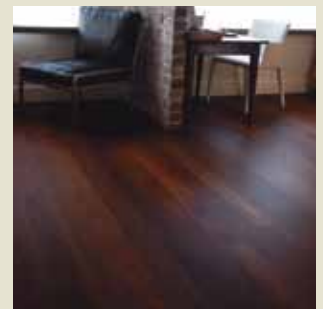
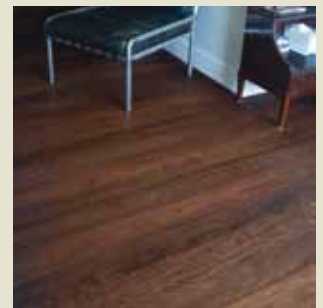
The colour of the wood fibre changes drastically as the ultrahigh temperature is introduced - the higher the temperature, the darker the change to colour of the fibre is. The colour change is permanent and penetrates the entire piece of hardwood, thus eliminating the need to stain flooring to achieve a rich dark coffee brown colour.

### Hurford Roasted

Colour change with temperature increase



Colour darkens as the temperature in the process is increased



## Increase Stability

The Hurford Roasted process increases greatly the stability of flooring. The process reduces the normal shrinkage and swelling that traditional Kiln Dried hardwood can experience by up to 50%, making it an ideal flooring product.

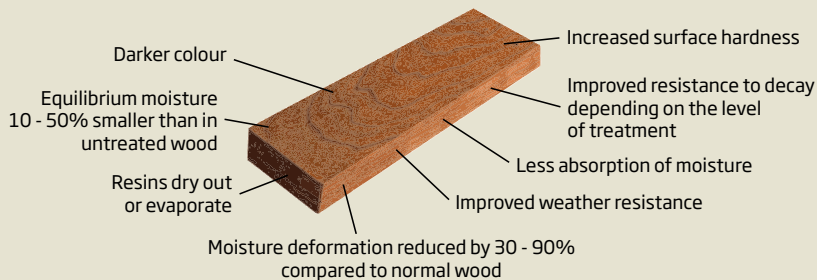
## Increase Durability

The Hurford Roasted process increases the natural durability by 3 to 4 times greater than the same species unroasted, without the use of chemicals to treat the timber.

## The Environment

Since no chemicals are required and only water and heat are used, the Hurford Roasted process is extremely environmentally friendly.

## What happens to the wood?



*Disclaimer - All timber species have a variety of colours, grain and texture and variations of colour within a timber species are normal, therefore photographs, samples and display floors can only be indicative of the colour range of the timber species nominated.*

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