

*we harden homes*

# KEY PRODUCT INFO

## 100% DOMESTIC HARDWOOD

DOMESTIC HARDWOOD LUMBER HAS BEEN UTILIZED FOR CENTURIES PROVIDING BEAUTY & DURABILITY TO CARPENTERS THROUGHOUT THE COUNTRY. THE NATURAL CHARACTERISTICS & GRAIN STRUCTURE PROVIDE WARMTH TO ANY PROJECT WHILE UTILIZING A LOCAL PRODUCT.



## INCREASED RESISTANCE

CENTURIES AGO, THE VIKINGS LEARNED TO OVERCOME NATURAL WOOD'S SHORTCOMINGS BY TREATING IT WITH FIRE. THEY REALIZED BURNING THE SURFACE OF THE WOOD MADE IT MORE RESISTANT TO THE EFFECTS OF OUTDOOR EXPOSURE THAT CAN CREATE WARPING, CUPPING, ROT & DECAY.



## THERMALLY MODIFIED

THE THERMAL MODIFICATION PROCESS IS AN ALL NATURAL COMBINATION OF HEAT & STEAM THAT ALTERS THE WOOD FIBER AT A CELLULAR LEVEL. WE UTILIZE 100% DOMESTIC HARDWOOD LUMBER THAT HAS BEEN KD TO INDUSTRY STANDARD BEFORE STARTING THE MODIFICATION PROCESS.



## NATURAL WOOD FINISH

THE GRAIN STRUCTURE & DEEP RICH BROWN TONES FROM THE THERMAL MODIFICATION ARE IDEAL FOR CUSTOMERS WANTING THE WARMTH OF A NATURAL WOOD FINISH. THE BEST PART, THIS NATURAL FINISH IS EXTREMELY RESISTANT TO ROT, DECAY, CUPPING, TWISTING & CHECKING



## CHEMICAL FREE PERFORMANCE

WE FOCUS ON PROVIDING PRODUCTS THAT ACHIEVE HIGH LEVELS OF PERFORMANCE WITHOUT ADDED CHEMICALS. NUSKU THERMACOR IS A PERFECT EXAMPLE, WHERE WE ARE BUILDING UPON THE NATURAL DOMESTIC HARDWOOD WITH THERMAL TECHNOLOGY TO ENHANCE THE MATERIAL.



## SUSTAINABLE MANUFACTURING

WITH THE THERMAL MODIFICATION PROCESS, IT ALLOWS OUR MANUFACTURING TO UTILIZE DOMESTIC HARDWOOD SPECIES THAT HAVE LOST POPULARITY IN THEIR NATURAL STATE. THUS, SUPPORTING DOMESTIC HARDWOOD SPECIES LIKE RED OAK & WHITE ASH.



ASK AN EXPERT  
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# NUSKU THERMACOR SPECS



## THERMACOR DOMESTIC HARDWOOD FACTS

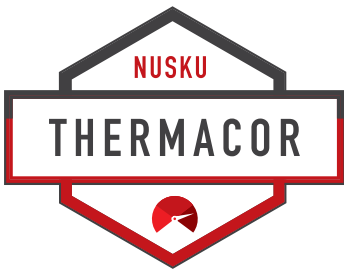
THERMACOR CONSISTS OF MODIFIED RED OAK & WHITE ASH  
HARDWOOD TREES REGENERATE NATURALLY & ALMOST 1.7 BILLION TREES ARE PLANTED EACH YEAR DOMESTICALLY  
EACH YEAR, U.S. HARDWOOD VOLUME INCREASES BY 5.27 BILLION CUBIC FEET, EVEN AFTER HARVESTS, FIRE & INSECTS  
OUR SAWMILL PARTNERS CONTINUE TO INNOVATE & FOCUS ON A SUSTAINABLE FUTURE FOR OUR INDUSTRY

## THE WHITE ASH SPECS

AVERAGE DRIED WEIGHT : 3.5 LBS/BF  
SPECIFIC GRAVITY (BASIC) : 0.55  
SPECIFIC GRAVITY (12% MC) : 0.67  
HARDNESS (JANKA) : 1320 LB<sub>F</sub> (5870 N)

## THE RED OAK SPECS

AVERAGE DRIED WEIGHT : 3.67 LBS/BF  
SPECIFIC GRAVITY (BASIC) : 0.56  
SPECIFIC GRAVITY (12% MC) : 0.70  
HARDNESS (JANKA) : 1220 LB<sub>F</sub> (5430 N)



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# THERMAL MODIFICATION



## HOW IT WORKS

**PART 1**  
100% DOMESTIC  
HARDWOOD



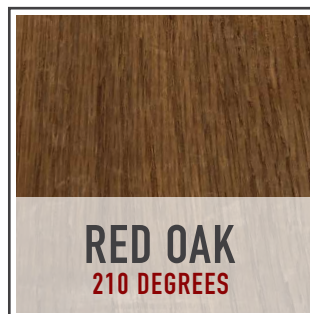
**PART 2**  
HEAT & STEAM



**PART 3**  
TIME & TEMP



THE NUSKU THERMACOR PRODUCT LINE GOES THROUGH A SERIES OF KEY STEPS THAT LEAD TO THE NATURAL PERFORMANCE & RICH COLOR WE OFFER. THE FIRST IMPORTANT STEP (PART 1) IS HAVING QUALITY RED OAK & WHITE ASH SOURCED FROM SUSTAINABLY MANAGED FORESTS THAT HAS BEEN KILN DRIED TO INDUSTRY STANDARD (6-8%). THIS QUALITY FIBER IS THEN PUT INTO SPECIFICALLY DESIGNED KILNS TO THERMALLY MODIFY THE WOOD FIBER ON A CELLULAR LEVEL (PART 2). THE KILN USES A COMBINATION OF HEAT & STEAM IN PERFECT HARMONY TO MODIFY THE FIBER WITHOUT DAMAGING THE RED OAK & WHITE ASH. WE MODIFY TO CREATE TWO COLOR OFFERINGS IN THE THERMACOR LINE (PART 3), THE HONEY BROWN IS MODIFIED FOR SPECIFIC TIME & TEMPERATURE OF 190 DEGREES CELSIUS WHILE OUR WALNUT BROWN HAS IT'S OWN COOK TIME WITH A TEMPERATURE OF 210 DEGREES CELSIUS.



NUSKU THERMACOR CAN BE UTILIZED FOR DECKING, SIDING, FENCING & ACCENT WALLS WHETHER INTERIOR OR EXTERIOR. WHILE IT IS NOT REQUIRED, OUR CUSTOMERS TYPICALLY UTILIZE THE 210 DEGREE MATERIAL FOR EXTERIOR APPLICATIONS & THUS THE 190 DEGREE BEING BEST UTILIZED INTERIOR.