



GREEN-DRI
GREEN-DRI™

GREENSTONE
Greenstone Inc. of Delaware

Conventional High Temperature Dry Kiln

- Operates at high temperature (150-500°F) with high speed fans
- Requires Metal Insulated Construction – **Expensive** to build
- High Energy Consumption – **Expensive** to operate
- Destroys Cell walls – **Warping, Checks, Shorter Life, Discoloration**



USES BRUTE FORCE

Green-Dri™ Wood Dryer (not a kiln)

- **Low Temperature** Operation – around 100 degree F.
- All Wood Construction – **Sustainable Material**
- Low Energy Consumption – **Very INEXPENSIVE** to operate
- Does not destroy cell walls – **HIGH QUALITY/STRONG/LAST LONG**
- **FASTER DRYING** than Conventional Dry Kilns



USES NATURAL FORCE

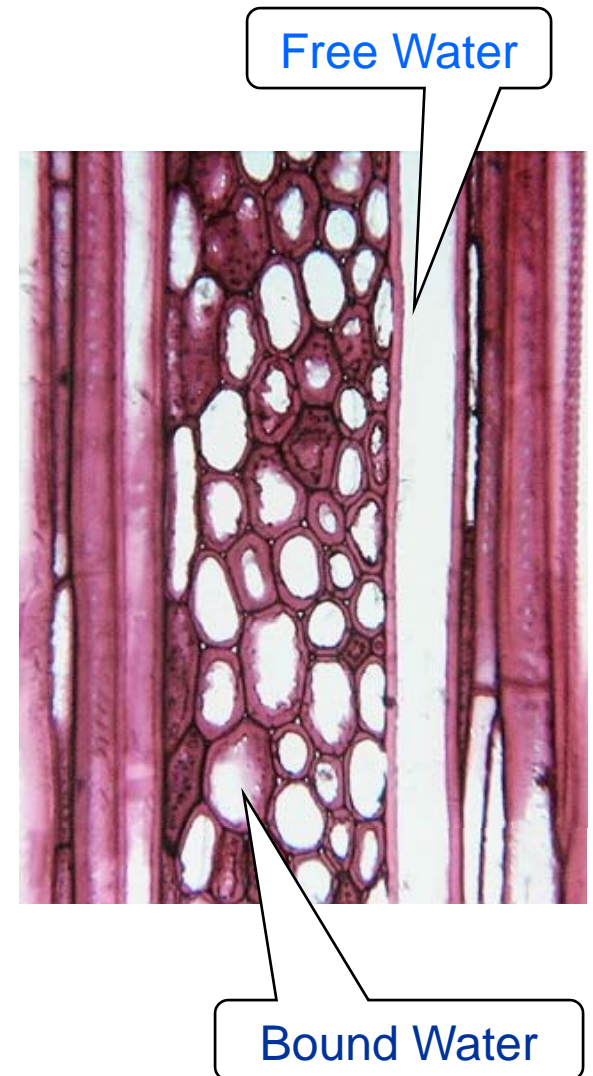


Location of Water in Wood

Occurs in two locations

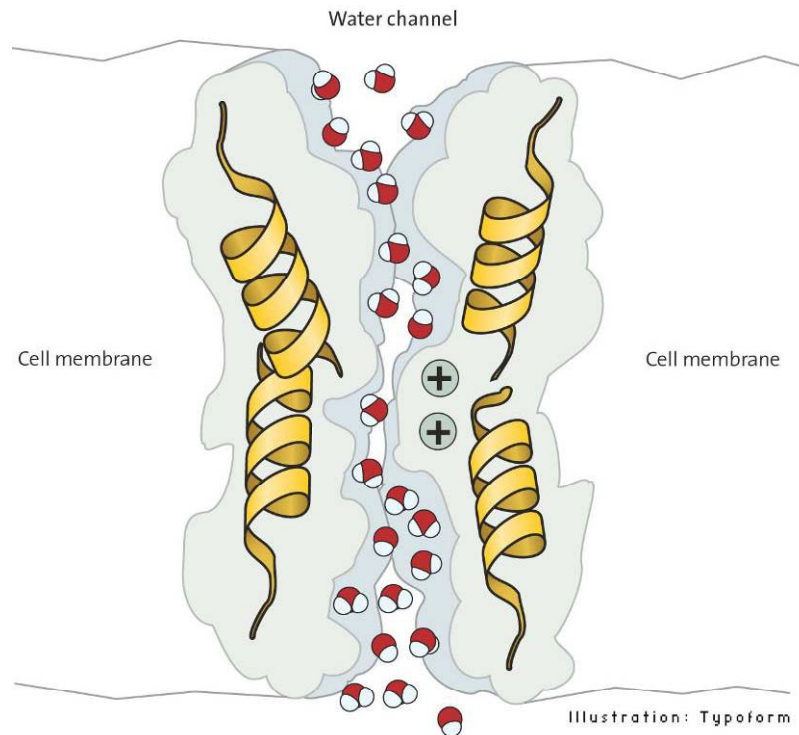
Free Water : located in vessels and other intercellular spaces only held by capillary force

Bound Water : located within the cell



Dr. Agre at John Hopkins won the Nobel Prize for Chemistry for his discovery of “channels”

Green-Dri™ utilizes the “channels” to move the Bound Water from the cell membrane.



Ref. Prof. Peter Agre, (Johns Hopkins University School of Medicine) Nobel Prize 2003 “Molecular channels through the cell wall “

All Wood Construction

Uses Wood to dry Wood

Green-Dri™ is constructed like a sauna room, all four walls, ceiling, and floor are made from wood. **Green-Dri™** uses entire wooden outer surface to dry the wood inside.

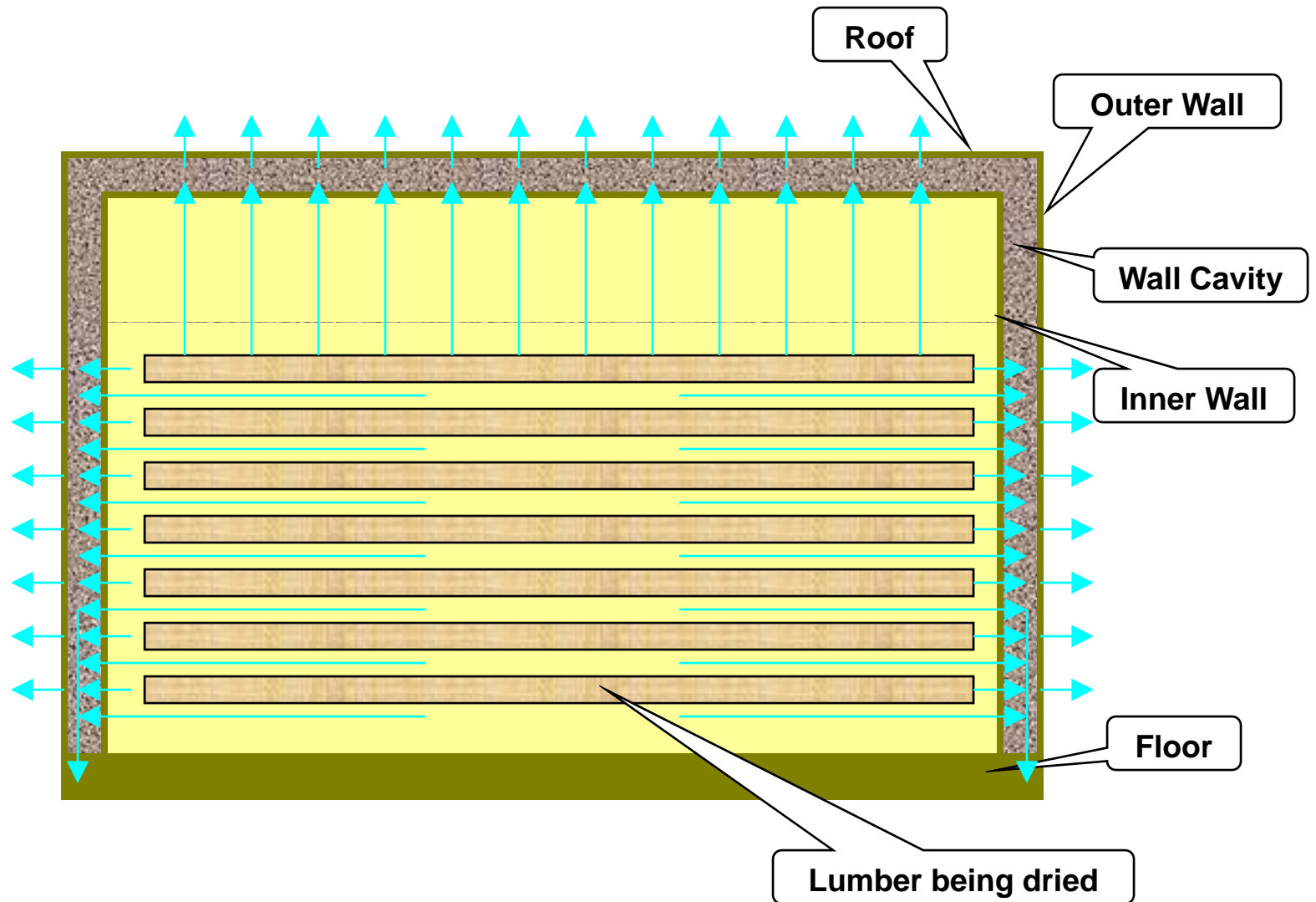


Specially Designed Construction

Green-Dri™'s heat source is low energy infrared generating electric heaters which penetrates through wood being dried.



Moisture Escapes through the Wall



Ease of Operation

Because of the low temperature operation, the doors can be opened and closed during the operation without affecting the drying time.

