



FACT SHEET

HOW LONG WILL THE TREATMENT LAST?

D-Blaze® fire retardant treated wood is designed for above ground use that is sheltered from precipitation and direct wetting. Under these conditions, D-Blaze chemicals will not leach out and will remain stable and effective.

WHAT IF D-BLAZE FRTW IS EXPOSED TO RAIN ON THE JOBSITE?

Testing has shown that short-term exposure to rain during construction will not affect the performance of D-Blaze FRTW. All precautions should be taken to keep the material dry. If wetted, D-Blaze FRTW must be dried to specifications before being covered or enclosed.

DOES D-BLAZE FRTW QUALIFY FOR AN HOURLY RATING IN THE CODES?

FRTW has been awarded a UL classification for surface burning characteristics, and by itself, does not have a resistance rating in hours. Hourly ratings are assigned to wall, roof, deck or door assemblies. D-Blaze FRTW can be used as a component in these assemblies in structures where untreated wood is not allowed.

For example, the Gypsum Association "Fire Resistance Design Manual" shows a one hour wall or partition assembly (WP 3605) that has wood studs covered by 5/8" Type X gypsum board with specified nailing and positioning of the panels. This assembly could be used for interior, non-bearing partitions, requiring a one hour rating in a non-combustible structure if the studs were fire retardant treated wood. In a similar manner, by substituting FRTW for untreated wood, other one and two hour wall and ceiling assemblies can be used in non-combustible type buildings. The model codes also permit use of ceiling assemblies with the top membrane omitted where only unused attic space is above.

CAN HOURLY RATED WOOD ROOF TRUSS ASSEMBLIES USE D-BLAZE FRTW?

Testing has provided effective and competitive designs for one hour rated floor/ceiling and roof/ceiling metal plate connected wood trusses. Unlike earlier designs, the one hour rating can now be achieved with only one layer of 5/8" Type C gypsum wallboard applied directly to the bottom chord of the truss. Various types of blocking and connectors are used in these constructions developed by the Truss Plate Institute and several independent companies.

Fire retardant treated wood can be used in place of untreated wood in any of these designs. FRTW construction will enable the use of these assemblies in many building construction types that do not permit untreated

wood. These new construction assemblies provide greater savings than ever before when FRTW construction is substituted for hourly rated steel or concrete construction. Check your local building code for specific allowed uses.

IS D-BLAZE FRTW CORROSIVE TO METAL?

Tests following procedures of military specification MIL-L-19140E have demonstrated that D-Blaze wood is no more corrosive to various metals than untreated wood. D-Blaze fire retardant treated wood samples were tested in contact with aluminum, carbon steel, hot-dipped galvanized steel, copper, and red brass. Other tests have demonstrated that D-Blaze treatment may actually help reduce corrosion of the protective zinc layer on galvanized steel truss plates.

WHAT NAILS OR BOLTS SHOULD I USE WITH D-BLAZE FRTW?

Hot-dipped galvanized steel fasteners are recommended.

DOES D-BLAZE TREATMENT AFFECT THE STRENGTH OF THE WOOD?

Testing has shown there is some strength loss caused by the fire retardant treatment process. Designers should carefully follow the "Design Reduction Factor Tables" published in D-Blaze literature.

IS D-BLAZE FRTW RECOGNIZED BY THE MODEL CODES?

D-Blaze is approved by all model codes as well as the new International Building Codes. D-Blaze has an IAS-AA664, City of Los Angeles RR 24502, New York City MEA Nos. 406-87 and 407-87.

CAN D-BLAZE FRTW BE CUT OR SURFACED AFTER TREATMENT?

Cutting to length, drilling, and diagonal cuts as well as light sanding are permitted. Exposed areas are not required to be field coated. Ripping and milling are not allowed.

CAN D-BLAZE FRTW BE PAINTED OR STAINED?

Good quality stains, paints or varnishes can be used. When using dark colored semi-transparent stains, a solvent based product should be used to prevent surface crystallization.

CAN D-BLAZE BE GLUED?

D-Blaze can be used as a substrate for floor tile, counter tops, cabinets, etc. Solvent based glues are recommended. If water based adhesives are used, test first to assure compatibility.



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