

Website: www.rudrapaint.com

E Mail:- rudrapaint@yahoo.com

RUDRA PAINT



PLOT NO. 60/61, PANDOL INDUSTRIAL AREA, VED ROAD, KATARGAM,
SURAT, GUJARAT -395004

TECHNICAL DATA SHEET RP-116 **FIRE RETARDANT COATING CLEAR (Water based)**

RECOMMENDED USE

RP-116 is applied to furnishing materials such as tents, carpets, curtains, canvas, cardboard, and industrial felt to enhance their flame-retardant properties. The treated materials achieve the fire-resistance rating specified in the NTH Certificate when tested under the prescribed test conditions.

PHYSICAL DATA

COLOUR: Water white (clear)

THEORITICAL COVERAGE

The coverage of material varies depending upon the weight of wood and hence cannot be generalized. Some indications are as follows: wood : 70 Sq Ft / 1 Kg

wood: 4 sq mtr / Kg. Furnishing wood: 6 Sq Mtr / Kg Specific Gravity: 1.1

SHELF LIFE

One 9 months at sealed container.

APPLICATION METHOD

Dip or spray materials to be treated must be soaked and squeezed in such a manner that after drying, the weight of the material increases by about 15 to 18 percent.

RESISTANCE GUIDE

Fire-retardant-treated wood coated with RP-116 achieves the fire-resistance rating specified in the NTH Certificate when tested in accordance with the applicable test method described in the certificate.

IMPORTANT

Furnishing Woods, fabric curtains, mattress, coir's, carpets etc. are highly flammable and hence, potential fire hazard, which need flame proofing to minimize fire risk.

“For assembly buildings, all wood and stage settings made of combustible materials shall be treated with flame proofing materials “

FLAME PROOFED WOOD: When in contact with fire only char but do not spread flame. Flame proofing is either Durable or Non-Durable.

Flame proofing properties remain unaffected with washing in case of durable treatment whereas the flame proofing treatment has to be repeated after every water wash in case of non- durable treatment.

DURABLE TREATMENT

Fire-retardant-treated wood, tested and certified as per the NTH Certificate for the specified fire-resistance duration, can be supplied according to customer specifications. Due to the nature and limitations of the durable treatment process, economical supply is generally feasible for larger production quantities. Factors such as restricted wood species availability, colour and shade matching limitations for future requirements, and difficulty in accommodating small replacement quantities may affect lead time and overall project costs.

These constraints make durable flame proofing an expensive proposition particularly for furnishing Woods, fabric curtains, mattress covers, carpets etc. which are either never washed or rarely washed i.e. Once in 6 months or a year but not more than a few times during their useful service life.

NON – DURABLE FLAME PROOFING:

Provides the cost effective solution to the above problems and is therefore universally acceptable.

Flame proofing with RP-116

Flame proofing of wood with RP-116 is extremely convenient, economical and very effective. The process involved is simple spray and can be easily carried out by the customer at his premises.

RP-116 is a clear fire-retardant coating that preserves the natural colour, texture, and surface appearance of wood without affecting its aesthetic properties. The coating provides durable flame-retardant protection while maintaining the original feel and finish of the wood.

GOVERNING SPECIFICATIONS AND CERTIFICATION

RP-116-treated wood is tested and certified as per the NTH Certificate for the specified fire-resistance duration. Since untreated flammable materials can increase the risk and spread of fire, flame-retardant protection is recommended to minimize fire hazards and support compliance with relevant National Building Code requirements.

Part IV Para 11.6.1 states that all Woods and stage setting made of combustible material for assembly buildings shall be treated with flame proofing material. Wood treated with Wood Coating, when in contact with fire, will only char but will not spread flame, thereby stopping propagation of fire completely.



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E Mail:- rudrapaint@yahoo.com

Your Safety is Our Motto

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