SPECIFICATION GUIDE

pyroplast-HW100

A waterborne intumescent coating for the fire protection of internal timber surfaces.

VOC regulations compliant.

Meets classification B, s1, d0 to BS EN 13501-1:2002 for timber and timber based substrates.

Meets Building Regulations requirements satisfied by Class 1 & Class 0 BS476 Parts 6 & 7.

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DESCRIPTION

pyroplast-HW100 is a clear waterborne intumescent coating for the fire protection of internal timber surfaces.
pyroplast-HW100 will upgrade timber surfaces to meet the requirements of Class B (fire behaviour), Class s1 (smoke production) and Class d0 (burning droplets) all in accordance with BS EN 13501-1:2002. In achieving this classification pyroplast-HW100 meets the Building Regulations Approved Document B provisions satisfied by Class 1 & Class 0 (BS476: Part 6&7).

The pyroplast-HW100 system comprises:-

Intumescent:	pyroplast-HW100 clear
Top sealer:	pyroplast-HW211 top

pyroplast-HW211 top is used to protect pyroplast-HW100 clear against abrasion and high humidity. It is an essential part of the fire protection system.

SPECIFICATION

Pyroplast-HW100 clear

Pack size:	5kg and 25kg
Colour:	Clear
Application method:	Brush, roller or spray.
Drying time:	8-12 hours between coats. Min. 48 hours before HW211 top.
Density:	1.32g/cm^3
Flash point:	Not flammable.

Pyroplast-HW211 top

Pack size:	2.5kg and 10kg
Colour:	Clear Matt or Satin
Application method:	Brush, roller or spray.
Drying time:	Approx. 2 hours to touch dry. Approx. 24 hours to fully dry.
Density:	0.83/cm^3
Flash point:	>55^{0}C

Apply pyroplast-HW100 clear onto suitably prepared timber at 300g/m^2 achieved in 2 coats allowing 8-12 hours between coats then allow min.48 hours before applying pyroplast-HW211 top (matt or satin) at 40g/m^2. All to achieve Class B,s1,d0 in accordance with BS EN 13501-1:2002

APROVALS

Pyroplast-HW100 holds approval to Class B (fire behaviour), Class s1 (smoke production) and Class d0 (burning droplets) all in accordance with BS EN 13501-1:2002 as tested at the Institute for Building Materials, Braunschweig. Classification report K-3467/2836-MPA BS sponsored by Rutgers Organics GmbH.

SITE CONDITIONS

pyroplast-HW100 is suitable for internal, weather tight environments only. The product must only be applied in temperatures above 10^{o}C and a maximum relative humidity of 70%. Low temperatures and/or high humidity will cause prolonged drying times and may lead to surface defects.

SURFACE PREPARATION

pyroplast-HW100 is suitable for application to internal timber surfaces. It is not suitable for application to artificial timber or pre-finished timber surfaces.
Existing coatings must be completely removed by stripping or sanding.
The moisture content of the timber must be no more than 15%.
pyroplast-HW100 is not suitable for high humidity or wet environments i.e. kitchens, bathrooms and swimming pools because the high levels of moisture in these environments .

PRESERVATIVES

pyroplast-HW100 may be applied over most commercially available preservatives provided that they are allowed to dry out thoroughly and do not seal the timber surface.

STAINS

Only penetrating wood stains must be used. One single thin coat only must be applied then allowed to dry out thoroughly. The stained timber should be lightly sanded before application of the pyroplast-HW100 to ensure adequate adhesion.

For full application advice please refer to the pyroplast HW100 application guide.

OTHER COATMASTER PRODUCTS

pyroplast-ST100	for upgrading structural steel
pyroplast-C	for the fire protection of cables.

pyroplast is a trade mark of RUTGERS Organics GmbH

SGHW/01/08

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