

SINCE 1969

IRURENA

WOOD COATINGS

WATER-BASED FIRE RETARDANT UPGRADING PROCESS

(EUROCLASSES FOR INTERIOR WALLS AND CEILINGS)



BEST CLASSIFICATION

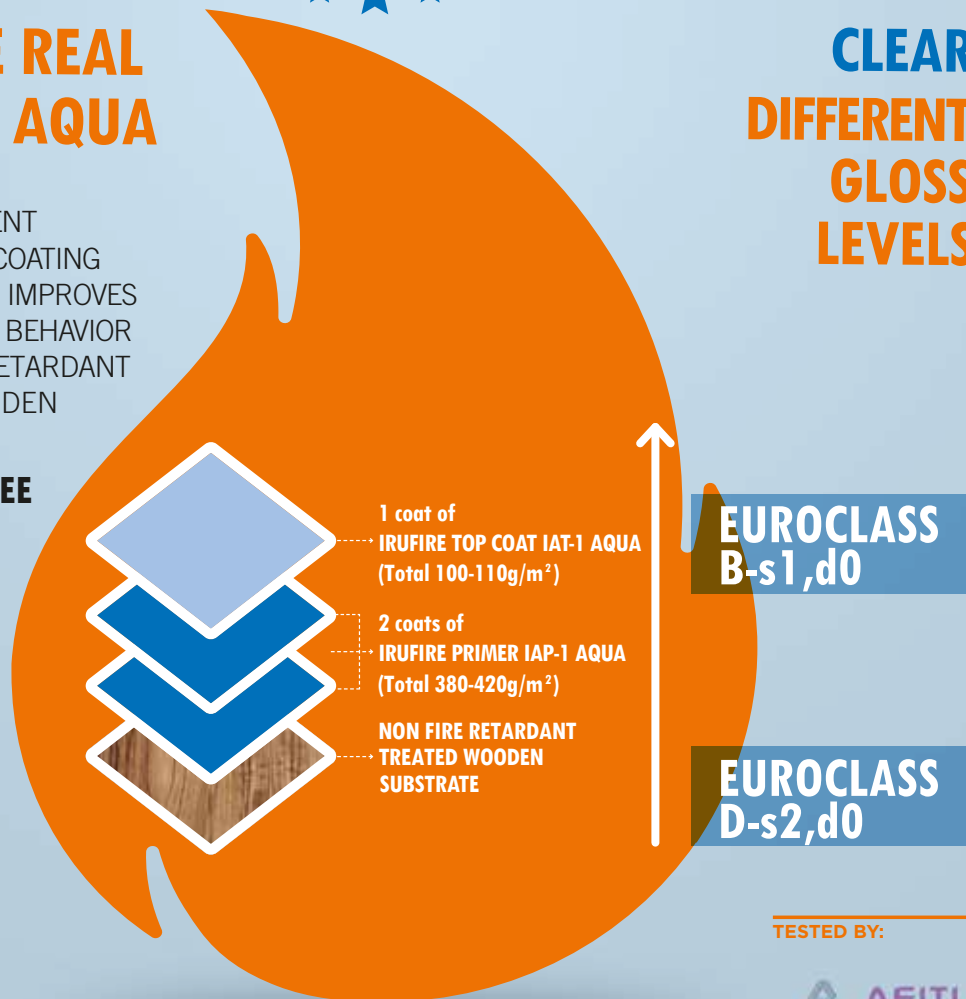


IRUFIRE REAL B-s1,d0 AQUA

TWO-COMPONENT
WATER-BASED COATING
SYSTEM WHICH IMPROVES
FIRE REACTION BEHAVIOR
OF NON FIRE RETARDANT
TREATED WOODEN
SUBSTRATES

HALOGENS-FREE

**CLEAR
DIFFERENT
GLOSS
LEVELS**



**EUROCLASS
B-s1,d0**

**EUROCLASS
D-s2,d0**

tecnalia

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WATER-BASED FIRE RETARDANT UPGRADING PROCESS

This process improves the classification of non fire retardant treated wooden substrates which end use is the coating of interior walls and ceilings. "Classification B-s1,d0 according to EN 13501-1 based on the fire behavior of construction products and building elements. Part 1: Classification from data obtained in reaction to fire tests".

This process consists of two products with their corresponding hardeners:

IRUFIRE PRIMER IAP-1 AQUA. This product is a clear water-based two-component basecoat. A total amount of 380-420 g/m² must be applied.

HARDENER IRUFIRE AQUA PRIMER. It is a phosphoric ester hardener. It should be mixed 2 to 1 by volume with **IRUFIRE PRIMER IAP-1AQUA.**

IRUFIRE TOP COAT IAT-1 AQUA. It is a two component clear water-based lacquer. It is available in different gloss levels (from deep matt to satin). A total amount of 100-110 g/m² should be applied.

HARDENER IRUFIRE AQUA TOP COAT. It is a hardener that it must be mixed 5 to 1 by volume with **IRUFIRE TOP COAT IAT-1 AQUA.**

These products can be applied by different spray systems (airspray, airmix and airless). The process has good covering power, smoothness, surface hardness, mechanical and chemical properties, and is completely **free of halogenated compounds.**

The tests were performed on a standard substrate according to EN-13238 "Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates". Particle board not fire retardant treated with a density of 680 ± 50 g/cm³, a thickness of 12 ± 2 mm and classified D-s2,d0 (FIBRA 500 ± 100 W/s y TSP (50 ± 20 m²) tested according to EN ISO 9239-1.

**At IRURENA GROUP we are willing
to share our experience with YOU.**