

**IRUFIRE REAL FLOORING Bfl-s1 AQUA**

**PRODUCT DESCRIPTION:**

Colorless fireproof process composed of an acrylic base and a polyurethane finish, both in two components, developed to obtain varnished wooden floors and parquet with Bfl-s1 classification according to UNE-EN 13501-1 (Euroclass).

The process is made up of the following products:

- **IRUFIRE FLOORING PRIMER IFAP-1 AQUA.** Cures by adding **HARDENER IRUFIRE FLOORING** catalyst (10: 1 mix by volume). A grammage of 80-90 gr / m<sup>2</sup> should be applied.
- **IRUFIRE FLOORING TOP COAT IFAT-1 AQUA.** Cures by adding **HARDENER IRUFIRE FLOORING** catalyst (10: 1 mix by volume). 2 layers should be applied with a grammage of 70-80 gr / m<sup>2</sup> each. Available in varying degrees of gloss.

**GENERAL FEATURES OF THE PROCESS:**

- Reaction to fire Bfl-s1 according to UNE-EN 13501-1 (Euroclass) applied to class D wood.
- Easy application by brush and roller.
- Quick drying and good sanding (with orbital or vibrator).
- Good transparency (it is recommended to carry out a previous test on dark woods).
- High antitannin efficacy (low greenish in oak) in problem woods.
- Resistant to yellowing.
- Excellent chemical and abrasion resistance.
- Very good resistance to rubbing, scratching and heel marks.
- Cleaning the work utensils with water.

**IRUFIRE FLOORING PRIMER IFAP-1**

PHYSICAL PARAMETERS (at 20°C)

- Mixture relation IRUFIRE FLOORING PRIMER IFAP-1 / HARDENER:..... 10/1
- Specific weight:..... 1,09-1,11 g/cm<sup>3</sup>
- Viscosity of the mixture Cup Ford N°4: ..... 25-35"
- Pot-life: ..... Aprox. 4 hours
- Solids mixture: ..... 40-44%
- VOC mixture (maximum limit permitted: 140 g/l): ..... 96 g/l
- Dry film appearance: ..... Colorless.
- Stability unopened can (protect from frost):..... 12 months.
- Efficiency:..... 11-13 m<sup>2</sup>/l.

CURINGS TIMES (100 gr/m<sup>2</sup> at 20°C and 60% H.R.):

- Dry dust: ..... 25-35 min
- Dry touch:..... 60-70 min.
- Overvarnishing:..... 14-16 hours.

**IRUFIRE FLOORING TOP COAT IFAT-1**

- PHYSICAL PARAMETERS (at 20°C)

- Mixture relation IRUFIRE FLOORING TOP COAT IFAT-1 / HARDENER:.....	10/1
- Specific weight:.....	1,02-1,11 g/cm <sup>3</sup>
- Viscosity of the mixture Cup Ford N°4:.....	20-30"
- Pot-life:.....	Aprox. 4 hours
- Solids mixture: .....	27-33%
- VOC mixture (maximum limit permitted: 140 g/l):.....	90 g/l
- Dry film appearance: .....	Colorless.
- Stability unopened can (protect from frost):.....	12 months.
- Efficiency:.....	12-15 m <sup>2</sup> /l.

CURINGS TIMES (100 gr/m<sup>2</sup> at 20°C and 60% H.R.):

- Dry dust: .....	25-35 min
- Dry touch:.....	60-70in.
- Overvarnishing:.....	>4 hours.

**APPLICATION:**

- **Support:** Wood (parquet and flooring). Do not apply on wood that contains more than 12% moisture.

- **Support preparation:** Prepare the wood by sanding. It is recommended to refine with fine grain to obtain greater filling and coverage. Remove traces of dirt, grease, remains from sanding, etc. The microcement must be dry, humidity less than 2.5%.

- **Application:** Homogenize varnishes and mixtures before use (preferably incorporation with a stirrer for approximately 1 minute). Use appropriate clothing and utensils. Apply 1 coat of 80-90 g / m<sup>2</sup> of **IRUFIRE FLOORING PRIMER IFAP-1 AQUA** primer (mix 10: 1 with **HARDENER IRUFIRE FLOORING**). Varnish supplied at application viscosity. If necessary dilute with water. Do not apply below 12°C. The product should be tempered (20°C).

- **Drying:** From 6 hours. For the best quality, it is preferable to allow 16 hours. Drying is influenced by the type of substrate and environmental conditions. It is recommended to temper and provide some ventilation to the premises to ensure the evaporation of water and obtain a good film formation.

- **Sanding:** Sand with vibrating, orbital, polishing machines or by hand. Carry out soft sanding between coats with fine sandpaper (280 or higher). The use of sandpaper with stearate or mesh minimizes the clogging of the same.

- **Overvarnishing:** Apply the 2 coats of 70-80 g / m<sup>2</sup> of **IRUFIRE FLOORING TOP COAT IFAT-1 AQUA** finish (mix 10: 1 with **HARDENER IRUFIRE FLOORING**) with an interval of 16 hours. The varnish is supplied at application viscosity. If necessary dilute with water. To obtain an optimum quality of varnishing, the temperature during application and drying must be controlled to be kept at 15-30°C and the relative humidity below 70%. After application of the last coat, allow to cure for at least 48 hours to obtain adequate scratch resistance.

- **Cleaning of utensils:** Once the product has been used, the utensils will be cleaned with water. If the material has dried out, **Diluyente (Thinner) S-171** will be used for cleaning.

- **Maintenance of the surface:** Once dry and cured, it is recommended to use neutral soaps and not over-soak the surface. Do not flood the ground with water.

**\* Conditions for the validity of the IRUFIRE REAL FLOORING Bfl-s1 AQUA Process Documentation:**

The company to which the documentation is granted must:

- Select the substrate based on what has been stated and carry out the process in accordance with the provisions of the Iruena Group.
- Relate through the corresponding purchase delivery note that the required products have been purchased and used and the necessary quantity of them as provided in the technical sheet for the classified process.

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