

Seire

SEIRE INTUMESCENTE 10

One-component water-based coating for fire protection

Passive fire protection system.

Easy application.

Applicable on metallic substrates.

Indoor use.

Vertical and horizontal application.

Inert product.

Not flammable.



SEIRE PRODUCTS, S.L.

P.I. Albolleque, Sector III
C/Los Muchos, 34-36
19160 - Chiloeches (Guadalajara)
T. 34 902 124 411
F. 34 902 124 414
seire@seire.net

SEIRE INTUMESCENTE 10

One-component water-based coating for fire protection

Product description:

One-component, intumescent water-based coating which reacts when exposed to flames by swelling and forming an insulating multicellular foam with excellent fire-resistance capacity. Prolongs stability of structures and building elements in case of fire, from R15 up to R60. Tests performed according to EN 13381-8:2010.

Applications:

Passive fire protection of structural elements in buildings. Provides fire protection to interior metal structures, where unaffected by weather or protected from it.

Substrate Preparation:

The substrate must be dry, hard, sound and free of dust and other loose particles such as limescale, mortars, plasters, adhesive residues, varnish residues, waxes, fats, oils and similar contaminants etc., which may impair adhesion.

Protect metal surfaces from oxidation with an appropriate primer (washprimer or similar) before applying water-based intumescent coating.

Recommendations:

Before use, SEIRE INTUMESCENTE 10 must be stirred until completely homogeneous, preferably with a mechanical stirrer.

To facilitate application by airless spray, it can be diluted with maximum 5% water.

Where it may be exposed to moisture, protect, after waiting at least 24 hours, with one or two layers of SEIRECOLOR.

Limitations:

Do not use SEIRE INTUMESCENTE 10 where ambient and/or substrate temperatures are less than 10°C or less than 3°C above the dew point.

Do not use where ambient and/or substrate temperatures exceed 40°C or where ambient humidity exceeds 80%.

Method of application:

The product is ready to use.

Can be applied by brush, roller or mechanical spraying.

Brush: Only for touch-ups and small areas. Apply undiluted.

Roller: Apply undiluted. Use long or medium nap wool rollers.

Airless spray: Dilute with a maximum of 5% water.

Equipment capable of providing a free flow rate exceeding 5 l/min., with a pressure of 200 bar.

Adjust nozzle angle to the profile to be coated.

Ensure proper ventilation during application and curing, especially in confined spaces.

The thickness to be applied depends on the desired Rf and profile to be coated (see profile/mass table)

Maximum thickness per layer: 400 micron (dry).

Consumption:

The approximate yield of SEIRE INTUMESCENTE 10 for 400 microns (dry) is:

➔ 1.6 m²/l

➔ 1.2 m²/kg

Tool cleaning:

SEIRE INTUMESCENTE 10 can be cleaned from tools and equipment immediately after use using water. If the product is allowed to harden, it will have to be removed mechanically or using organic solvents.

Residues/spillages:

Any spillage must be removed immediately with sand, vermiculite or other inert material and collected in a suitable container for proper handling and treatment.

Residues from spillage and empty containers must be dealt with in accordance with local regulations.

For more information see product safety sheet.

Storage:

SEIRE INTUMESCENTE 10 can be stored for 6 months in original unopened packaging. Store in a dry place between 10°C and 30°C. Keep away from frost, direct sunlight and sources of heat.

Precautions:

After drying, the product is physiologically and ecologically neutral. For more information see product safety sheet.

Technical data

(based on tests conducted in our laboratory according to current regulations)

Density:	Approx. 1.3kg/l
Thickness of application:	Up to 400 microns/layer.
Yield:	For 400 microns (dry), yield is 1.2m ² /Kg
Dry to touch (20°C):	Approx. 2h
Re-paintable (20°C, 60% RH):	24 hours.
Packaging:	Cans of 25kg net
Storage:	Approx. 6 months in a dry place and in original unopened packaging.

Seire takes responsibility for the quality of its products. The application recommendations given are based on tests and practical experience.

We will not be held responsible for the product or its application in case of any dosage or application other than as described and recommended. For any questions about this product, please contact our Technical Department. This data sheet remains valid until a new edition is issued.

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