

O.R.A. Eco Anti-rain

Water-based transparent liquid waterproofing

Water-based transparent coating, easy and quick to apply, suitable to waterproof already paved surfaces without removing tiles or the surfaces itself. Suitable for the elimination of infiltrations of water, acids, oils, vapours, grease and moulds between bricks, tiles etc. It is suitable to the all areas exposed to atmospheric agents (terraces, balconies, surfaces made of stone or cotto tile, external paved surfaces). It is very easy to apply by roll or brush.

BENEFITS

- Water based eco-friendly product;
- Easy and quick application;
- Versatile in many applications;
- Transparent;
- It gives shine back to the floor;
- It eases the surface cleaning;
- It can also be applied during winter season (up to +5°C / +41°F);
- Resistant to UV rays, weathering agents, industrial and marine environments.

APPLICATION FIELDS

Product designed to protect floors and joints from water infiltrations, that can cause moulds formation, efflorescence and severe damaging to structures. *O.R.A. Eco Anti-rain* protects the surface even from greases, oils and salts penetrations. Product for indoor and outdoor.

YIELD

0.20 l/m² (203.73 ft²/gal U.S.).

COLOUR

Transparent.

PACKAGING

5 l (1.32 gal U.S.) plastic bucket.

Pallet: n° 20 boxes - 4 pieces each (400 l – 105.67 gal U.S.).

STORAGE

Store the product in well ventilated areas, in its original containers tightly closed, away from sunlight, water and ice, at temperatures between +5°C and +35°C (+41°F and +95°F).

Storage time 12 months.

PREPARATION OF SUPPORT

Surface must be resistant enough. Surface must be carefully cleaned, dry, without oils, greases, friable parts and inconsistent or other materials that may jeopardise product adhesion.

Before laying the product, the flooring must be carefully cleaned with a nitro diluent.

In case of the surface would result friable, scarifying it totally to obtain a good support and restore cracks or weak parts with adequate mortar.

Humidity on the support may compromise product adhesion.

In case of water washing, waiting the complete drying. The surface that should be treated, it must not let to form water stagnation. It must be regular and not cracked.



1982

Diasen srl

Zona Industriale Berbentina, 5 Sassoferrato ANCONA

18

N. 1982 – CPR – 1223

EN 1504-2

Products and systems for protection and restoration
of concrete structures–

Part 2: Protection systems of concrete surface

Water vapour permeability:

μ = 1941

Waterproofing - Liquid

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

O.R.A. Anti-rain

Water-based transparent liquid waterproofing

Technical data

Features		Unit
Yield	0.20 l/m ² (203.73 ft ² /gal U.S.) in two layers	l/m ² ft ² /gal U.S.
Aspect	liquid	-
Colour	transparent	-
Dilution	do not dilute	-
Waiting time between 1 st and 2 nd coat (T = +23°C / +73.4°F; R.H. 50%)	4	hours
Application temperature	+5 /+35 +41/+95	°C °F
Total drying time (T = +23°C / +73.4°F; R.H. 50%)	4	hour
Storage	12	months
Packaging	5 l (1.32 gal U.S.) of plastic bucket	l / gal U.S.

Final performances		Unit	Regulation	Result
Water vapour permeability	$\mu = 1941$	-	EN ISO 7783	-

The above data, even if carried out according to regulated tests, are indicative and they may change when specific building site conditions vary.

Tiles

Old surfaces must be resistant enough and well linked to the support (on the contrary, remove them and refill with concrete mortar).

O.R.A. Eco Anti-rain must be applied on cleaned supports, dry and without any rising dampness.

Refill joints with an adequate mortar where it is necessary.

Taking in consideration the wide variety of tiles on the market, we suggest to do a trial to verify the perfect adhesion of the product.

Before applying the product, cover all the elements that will not be covered by the product.

For supports that are not in this technical sheet, please contact *Diasen* technical department.

MIXING

O.R.A. Eco Anti-rain is one-component and ready to use. Mix the product before the application to make it homogeneous. Do not dilute and never add other substances to the mixture.

APPLICATION

1. Clean carefully the substrate with a nitro diluent.
2. Apply a first abundant coat of product by brush, smooth roll or airless, taking care to completely cover the surface.
3. Generally, 2 layers of application are enough for a complete waterproofing. Between the two layers, 4 hours will be fine (+23°C / +73.4 °F and 50% of R. H.). In case of rain over the product that it is not perfectly dry, taking care about the adequacy of the further cover.

Waterproofing - Liquid

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. *Diasen* doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

O.R.A. Anti-rain

Water-based transparent liquid waterproofing

DRYING TIME

At a temperature of +23°C / +73.4°F and 50% of relative humidity, the product dries in about 4 hours.

- Drying time is influenced by environmental relative humidity and by temperature and may significantly change.
- If applied with an higher yield than the expected one, drying time may significantly increase.

SUGGESTIONS

- Do not apply at environmental temperature or support temperature lower than +5°C (+41°F) and higher than +35°C (+95°F).
- During summer season apply the product in the cooler hours of the day, away from sunlight.
- Do not apply with imminent threat of rain or ice, in conditions of strong fog or with relative humidity higher than 70%.
- Do not apply on surfaces subjected to movements, *O.R.A. Eco Anti-rain* may crack in correspondence of most critical points.

- Do not apply over glazed tiles.
- Protect the product from driving rain to a complete drying.
- It is really important to make in the screed, at regular interval, suitable junctions for dilatation. Junctions should be done perfectly.
- Product not suitable for application over moist supports or supports subjected to rising damp.

CLEANING

Tools can be washed with water before the product hardens.

SAFETY

While handling, always use personal protective equipment and respect the instructions described in product safety data sheet.



Waterproofing - Liquid

DIASEN Srl - Z.I. Berbentina, 5 - 60041 Sassoferrato (AN)
Tel. +39 0732 9718 - Fax +39 0732 971899
diasen@diasen.com - www.diasen.com