

# VERNILUX SWIM

TWO-COMPONENT ACRYLIC-URETHANE FINISH,  
NON-YELLOWING



## DESCRIPTION

VERNILUX SWIM is a protective coating based on polyurethane-acrylic resins, two-component, non-yellowing, with excellent gloss, hardness and elasticity.

## FIELDS OF USE

VERNILUX SWIM is suitable as decorative protection for reinforced concrete structures such as viaducts, bridges, chimneys, prefabricated panels, swimming pools with salt water or chlorine, tanks and metal structures.

## PACKAGING

Comp. A = 7,70 kg metal tins

Comp. B = 2,30 kg metal tins

## CONSUMPTION

Approximate consumption is 100 g/m<sup>2</sup> per coat, depending on the characteristics of the substrate to which it is applied and the application method. Two coats are recommended.

## MIXING RATIO

Comp. A : Comp. B = 100 : 3

## FEATURES AND BENEFITS

- Excellent gloss, hardness and elasticity;
- Excellent resistance to fresh and sea water;
- Excellent resistance to acid and alkaline solutions, mineral oils, naphtha and petrol;
- Good flexibility, surface hardness and impact resistance;
- Operating temperature from -25°C to +100°C in air.

## CERTIFICATIONS

ISO 9001 certified quality management system (Certificate No. IT.17.0227.01.QMS).

APSE S.r.l. is an active member of CONPAVIPER.



## SUBSTRATE PREPARATION

Preparation of the substrate is essential, so the surface to be treated must be free of any contaminants, dry, consistent and have a tensile strength of at least 1.5 MPa. In any case, it is necessary to prepare the surface of the flooring by sandblasting, shot blasting, smoothing or sanding, depending on the type of surface.

Iron surfaces must be sandblasted in accordance with SSPC-SP10 to grade.

## Applicazione del primer

Surfaces must be primed beforehand with TOTALPRIMER NS 44.

If the surface is damp or there is no vapour barrier, the substrate must be treated with approx. 500 ÷ 1000 g/m<sup>2</sup> of UMIFOND 3C (see related technical data sheet). Once dry, apply a single coat of TOTALPRIMER NS 44.

Then proceed in both cases by applying two coats of VERNILUX SWIM.

## PRODUCT PREPARATION

Two-component product to be mixed at the time of use. Mix the two components separately, then pour the contents of component B into component A and homogenise the mixture with a low-speed electric mixer for a few minutes, until completely homogenised. Only mix quantities that can be used within the maximum working time.

## METHOD OF APPLICATION

The mixed product can be applied using a short-pile roller, spray or airless spray (diluting the product with a maximum of 10% DILUPOL, using 0.015 inch nozzles with a pressure of 180 bar). For best results, we recommend applying two coats, crossing the strokes and taking care not to exceed the recommended doses.

Apply VERNILUX SWIM no later than 48 hours after applying the epoxy and polyurethane coatings at +20°C.

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## CURING

Refer to the table below for drying times (at 20°C) and curing times.

Workability time (Pot-life)	3-4 hours
Dry to the touch	2-3 hours
Overcoating	10-15 hours
Complete curing	10 days

## WARNINGS

Do not use if the container is damaged.

## CLEANING OF TOOLS

The tools used for mixing and applying the material can be cleaned with DILUPOL thinner. Hardened material on tools and mixers can be removed mechanically.

## HEALTH AND SAFETY WARNINGS

For information on safety regulations, hazard statements and cautionary advice, rely on the latest MSDS by making a request to:

[ufficiotecnico@apsebg.it](mailto:ufficiotecnico@apsebg.it)

## STORAGE

Shelf life of 12 months when stored in original packaging in a dry, moisture-free place.  
Store at temperatures between +5°C and +25°C.

## DISPOSAL

Dispose of contents and/or container in accordance with local regulations.

## PRODUCT TECHNICAL DATA

### PHYSICAL CHARACTERISTICS OF THE MIXTURE (at +20°C)

FEATURE	STANDARD	RESULT
Color	-	Colored
Consistency of the mixture	-	Fluid
Specific gravity	EN ISO 2811-1	1,15±0,05 g/cm <sup>3</sup>
Viscosity	ISO 2431 Cup Ø6	45 ± 10 seconds
Non-volatile substances By weight	EN ISO 3251	68 %

The data given above are information obtained from our best technical knowledge, application, and research experience. However, since we are unable to intervene directly in site conditions and work execution, they represent general indications that do not bind APSE S.r.l. - V&V Group. The information given does not relieve the purchaser of his responsibility to personally test our products as to their suitability with regard to their intended use. The customer is also responsible for verifying that this data sheet is valid for the batch of product of interest to him and is not outdated as superseded by later editions. If in doubt, contact our Technical Department in advance. APSE S.r.l. - V&V Group reserves the right to make technical changes of any kind without prior notice. This revision cancels and supersedes all previous ones, all under the continuous verification of data according to the new current Standards and our ISO 9001 management system. Please be sure to check the most up-to-date version of this Data Sheet on our website: [www.apse.it](http://www.apse.it)

