

## HYPERDESMO <sup>®</sup>- 2K-W

**Product Data Sheet** 

## Two-component, Solvent-free, Polyurethane Coating For Flashing And Tank Waterproofing & Protection.

## Description

**HYPERDESMO®-2K-W** is a two-component, solvent-free, thixotropic coating, based on high quality elastomeric polyurethane resins. After polymerization, it produces a strong, elastic, hydrophobic membrane suitable for waterproofing and protection. It is recommended for waterproofing of water tanks. It has been certified for use in potable water tanks (more details available on request from our technical service department).

## Compliance

It has been certified by the O.T.E.C. Institute (Barcelona, Spain) for waterproofing of drinking water tanks, in accordance to the EU guideline 98/83/EC.

## Recommended For

- Water tanks made of concrete/steel reinforced concrete or otherwise, steel or other material
- Prefabricated concrete tanks,
- Drinking water tanks,
- Tanks with wall movement due to expansion and contraction

## 🔊 Features & Benefits

- Excellent adhesion on almost any type of surface.
- Being solvent-less, it can easily be applied in closed spaces.
- Extremely hydrophobic and hydrolysis resistant.
- Wide working temperature range: -40°C to 90°C.
- Good chemical resistance.
- Certified for potable water tanks, in accordance with the latest European Union requirements.
- The best value, performance-to-cost, solution for water tanks.
- Special primers, topcoats and coloring pastes are available.

## ▲ Limitations

On tank surfaces with direct exposure to sunlight, HYPERDESMO<sup>®</sup>-2K-W will discolor. This is purely visual. It does not affect the performance of the product.

## Application Procedure

(The following guidelines are for **concrete tanks**. For information about tanks made of other materials, please contact our Technical Service Department.)

Clean the surface using jet water, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must be removed. Fill surface irregularities with **HYPERSEAL®-25LM-S or HYPERSEAL®-EXPERT.** 

- Priming: Apply AQUADUR, AQUASMART®-DUR primer particularly in case of negative pressure (e.g. in underground tanks). As soon as the primer has cured, seal cracks, holes and the edges of the tank walls and floor with HYPERSEAL®-25LM-S or HYPERSEAL®-EXPERT, the polyurethane mastic.
- ✓ Mixing: Mix the two components using a low speed (300 rpm) mixer.
- ◇ Application: Apply with roller in two coats with consumption per coat of 0.7 kg/m<sup>2</sup>. On the tank floor, a single coat of 1.4 kg/m<sup>2</sup> is sufficient. Information on application by airless spraying is available on request from our technical department.



Pot Life

then spreading it,

re-usable.

20 °C. It can be increased by:

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Consumption Consumption per coat: 0.7 kg/m<sup>2</sup>.

Cleaning Clean tools and equipment first with paper towels and then using SOLVENT-01. Rollers will not be

Safety Information

24 kg (comp. A 4 kg, comp. B 20 kg).

Shelf Life Can be kept for 12 months minimum in the

as soon as possible.

original unopened pails in dry places and at

temperatures of 5-25 °C. Once opened, use

Although it does not contain volatile substances, it is highly recommended that closed spaces be well ventilated to recycle the air in which people will work. The possibility of methane gas coming from the ground and being trapped in the tank should also be considered. The MSDS (Material Safety Data Sheet) is available on request.

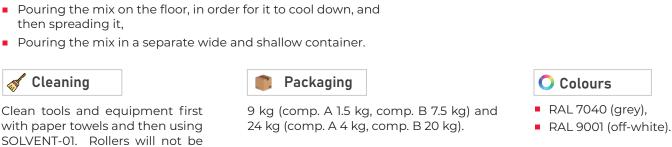
Pot life once the two components have been mixed is 30 min in

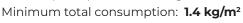
Keeping the mix in a cooler place, away from the sun,

## **Technical Specifications**

### In liquid form (before application):

Property	Units / Method	Component A (Hardener)	Component B (Resin)
Form	_	liquid	thixotropic paste
Viscosity (Brookfield) of the mixture	сР / ASTM D2196-86, @ 25 °С	15,000-20,000	
Solid residue	%	100	100
Mixing ratio	by weight	l part	5 parts
Recoat time	hours	6-48	
Pot life @ 25°C	minutes	20-30	
Specific weight	gr/cm³ ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C	1.20-1.25	1.40-1.50







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### In cured form (after application):

Property	Units	Method	Specification
Service temperature	°C	-	-40 to 90
Hardness	Shore D	ASTM D2240 / DIN 53505 / ISO R868	> 40
Elongation at break	%	ASTM D412	> 100
Tensile strength	N/mm²	ASTM D412	20
Water absorption	%	DIN 53495	< 0.5
Adhesion to concrete	N/mm²	ASTM D4541	2

### For more information on Hyperdesmo, Hyperseal & Aquasmart range of products and application methods Please contact Alchimica Technical Service at **info@globalbusinessbd.com**

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