

## U8 – NEUCESEAL – Two-Component Waterproofing Hydraulic

**CONSIDERATIONS:**



Additive to be mixed with cement, such as Portland 32,5 N, resulting in a flexible, waterproof mortar, ready to be used, and with an excellent adhesion power.

**PROPERTIES:**

**NEUCESEAL**, once conveniently mixed with cement, results in a mortar comprised of the following properties:

- Excellent adhesion.
- High elasticity and flexibility.
- Absorbs cracks of up to 0.6 mm (20°C) in 2 mm depth.
- Weather resistance.
- Waterproof.
- Anti-carbonation of concrete protection.
- Resistant to light pedestrian traffic.

**CHARACTERISTICS:**

- **Density**.....1,016 ± 0,10
- **Viscosity**.....87- 117 Ku (25°C)
- **Aspect**.....milky liquid
- **Interval between coats**.....12-48 hours
- **Fill with water**.....After 7 days.
- **Mechanically chargeable** .....After 3 days.
- **Stress rupture** ..... 1.0 N/mm<sup>2</sup> \*
- **Elongation at break** ..... 420 % \*

**VOC: (Volatile organic compounds).**<sup>a)</sup> EU limit value set for this product cat. (A/g) 30 g/l (2010). This product contains a maximum of 1.0 g/l VOC.

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\* These values refer to the product already mixed with cement.

**USE:**

The mortar obtained by mixing **NEUCESEAL** with cement may be applied to surfaces usually used in civil construction, such as: brickwork, concrete, coating of cement, etc., allowing for a subsequent painting.

It may also be applied in the field of waterproofing:

- Waterproof layers for passable floors, balconies and terraces.
- Waterproofing of surfaces that may endure small movements or have small cracks.
- Waterproofing of swimming pools, lakes, flowerpots, reservoir, etc.
- Waterproofing of cellars, basements, buried walls, garages,

elevator pits.

- Protection of the

**PREPARATION OF SURFACE:**

All the surfaces must be dry, firm, and free of dirt, grease and other contaminants. If necessary, a high-pressure water method should be used.

Degraded or damaged areas should be repaired with mortar. Avoid the existence of back-water or condensation before waterproofing.

Terraces and coverings should be inclined so as to obtain good water drainage and so avoid puddles.

There must be enough expansion/scarf joints so as to avoid possible tensions and consequent surface cracks.

It is necessary to eliminate 90° angles in areas that have them, turning them into semi-circles.

In order to improve the adhesion with the substrates, or whenever the substrates are found in micro cracks, an application of 1 coat of IMPERNEUCE is advisable, conveniently mixed with Portland 32.5N cement before applying the NEUCESEAL.

**COMPOSITION OF MIXTURE:**

“NEUCESEAL” ..... 100 parts-by-weight  
Normal Portland cement ..... 80 parts-by-weight

**PREPARATION OF MIXTURE:**

Add the cement to the NEUCESEAL little by little, mixing it with a mechanical stirrer fitted with an appropriate low-rotation propeller, until a lump-free homogenous mass is obtained.

Wait 5 minutes before applying the mixture. This mixture will remain stable for approximately 2 to 3 hours.

**APPLICATION:**

The application of the mortar is done with a trowel or toothed spatula, always with a **minimum of two coats**, spaced at intervals of 12 to 48 hours, in normal conditions of humidity and temperature, so as to obtain a homogenous coating. Never apply layers over 3 mm thick per layer.

In the case of buried walls, a third layer may be necessary.

The material applied must be protected for 3 days (at least) from the heavy rain, excessive heat and very strong winds.

Protection of the coating between coats is recommended by way of synthetic fine grid mesh, which is resistant to alkalis, so as to decrease efforts and strong movements, thus giving the surface more resistance.

The framework must be completely covered with the mortar, and no voids or air pockets can exist between the framework and the waterproof coating.

- DILUTION:** Ready to use product.
- YIELD:** On average and per layer of 1.5–2.0 Kg/m<sup>2</sup> of the mixture, depending on the depth and surface absorption.
- EQUIPMENT CLEANING:** With water, immediately after application.
- OTHER APPLICATIONS:** In the filling of cracks or in the case of floors with a degree of irregularities (in the first coat), the following mixture can be used:

“NEUCESEAL” ..... 1 part-by-weight  
Normal Portland cement + sand  
(mixture with equal parts) ..... 1 part-by-weight

The filling of cracks must be done in layers, if necessary.

- RECOMMENDATIONS**
- Temperature of application between 5° C and 30° C.
  - Do not apply in conditions of relative air humidity above 80%.
  - Do not work in direct sunlight, rain or strong wind.
  - In the event of the surfaces waterproofed with NEUCESEAL being effected by strong mechanical aggressions, then they should be covered with a protective element, for example: ceramic. However, this should only be applied after a minimum of two weeks of drying.

**PRECAUTIONS:** Keep out of the reach of children.  
For more information, please see our product **Safety Data Sheet**.

**STORAGE AND PACKAGING:** The containers must be kept correctly closed, in conditions of mild temperature and humidity, and the product is to be used in the correct proportions and consumed in relation to date of supply.  
To be used within 1 year of production date, although it may be used after this date as long as the product remains homogenous.  
The product comes in packages of 1Kg, 5Kg and 15Kg.

Note a): The VOC value referred to above is related to the ready-to-use product in accordance with the technical specifications recommended by us. We do not accept responsibility for other mixtures done to this product. We especially call to the attention of our agents who are to be held responsible if the 2004/42/CE Policy is not respected.