

INDURENT QN25

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VERSION: REV01

1. DESCRIPTION

Liquid hardener for epoxy resins, amine based, solvent and mineral fillert free.

2. PROPERTIES

- A low viscosity liquid with low vapour emission
- Once catalysed with the epoxy resin, it forms a highly adhesive system with low solar yellowing and high mechanical properties.

3. APPLICATIONS

- Recommended for the reinforcement of marble, granite and natural stone in general. Not recommended for use in the resin coating of white materials on the face side.
- Compatible with fully cured polyester resins.
- If smooth, non-porous surfaces are to be bonded, it is recommended to flame the surface in the case of metals or to scrape the surface in the case of plastics.
- The surface must be clean and dry, free of dust, grease or substances that may interfere with the final adhesion. The application can be done manually or by machine.
- It must be ensured that the mixture is homogeneous, before starting to apply the product.
- The temperature affects the drying time, being designed for a working temperature between +15°C and +40°C. The higher the temperature, the shorter the pot life of the mixture.
- Hardened product residues may only be removed by mechanical means.

4. CHARACTERISTICS

	Standard resin	Indurent QN25	Mixture
Viscosity	1000 - 1200 cp	60 - 100 cp	950 - 1050 cp
Density	1.45 - 1.48 kg/l	1.00 - 1.04 kg/l	1.41 kg/l
Gel time	-	-	20 - 25 min
Drying 45°	-	-	40 - 50 min
Curing	-	-	24 hours
Mix ratio	100:15,4		

5. MECHANICAL TESTING

Flexural modulus	5064,8 MPa
Flexural strength	48,88 MPa
Maximun deflection	1 mm
Tensile modulus	4240 MPa
Tensile strength	29,7 MPa
Elongation at break	0,70 %

6. STORAGE AND PACKAGING

- The product should be stored in a **dry place** at a temperature not exceeding 25°C.
- The expiry date is **1 year** under these conditions.
- The existing containers are **20 kg jerrycans, 200 kg drums, and 1000 kg IBCs.**
- For other quantities: **contact us.**