

2K-30

2K-30 is a two-component solvent free adhesive which is based on epoxy resin and modified polyamines hardeners with very low viscosity and suitable curing time. Excellent penetration into the all types of stone cracks, while having a strong adhesion to the substrate, has made it an ideal choice in stone industry. **2K-30** has a very good UV and yellowing resistance.

ADVANTAGES

- High penetration into the cracks and holes
- Excellent adhesion to all types of stones
- Suitable curing and drying time
- Transparent and colorless
- Solvent-free
- Setting with no shrinkage

FIELD OF APPLICATION

- Improving the strength and quality of all types of stones
- Increasing efficiency in the stone industry by reducing breakings, healing cracks and filling holes
- Reinforcing the structure of slabs and tiles
- Reducing waste due to crushing during stone cutting process
- Excellent polishing properties

DOSAGE

Due to the amount of porosity and unevenness of the working surfaces, this amount will be about 100 to 200 grams per square meter.

APPLICATION

Material is supplied in two containers as one unit. Always mix a complete unit in the proportion supplied. Once the unit has been mixed it must be used within the working pot life specified.

1-Combine entire contents of curing agent (part B) with base (part A) and mix thoroughly with power agitator.

2-Mix thoroughly for at least three minutes, scraping the container bottom and side to assure complete mixing.

Apply desired mix over the stone surface using trowel or brush. Product application frequency should be adjusted by the depth and surface of the cracks. Continue applying the product until the cracks fill. If you want the material to cure faster, you can preheat the stone slabs.

The exothermic characteristic of epoxy curing reactions may cause rapid temperature rise of mixture, which result low workability of material. To obtain longer workability, the mixed adhesive may be divided into portions.

- In hot weather, the temperature of the material should be between 20 and 25°C prior to mixing. Otherwise, the POT LIFE will be too short.
- Do not thin for any reason.
- In cold weather, in case of hardening material, heat it indirectly.
- When the surface temperature is less than 10°C, do not apply the material.
- Mix only that quantity which can be used within its pot life.

TECHNICAL PROPERTIES

Appearance	transparent and colorless
Mixing ratio (A:B)	3:1
Volume solid (%)	98±2
Density (A+B)	1.08 ±0.01 (g/cm ³)

DRYING TIME

Temperature	Touch Dry	Over-Coating		Full cure
		Minimum	Maximum	
25°C	3 h	8 h	2 Days	7 Days
45°C	60 min	4 h	1 Day	4 Days
65°C	40 min	2 h	16 h	2 Days

WORKING TIME (at varying temperatures and a quantity of 120g)

Temperature	25°C	45°C	65°C
Pot Life	~45 Min	~30 Min	~15 Min

WORKING TIME (at 25°C and a varying amounts)

Amount	24g	120g	1200g
Pot Life	~60 Min	~45 Min	~30 Min

PACKAGING

Pre-batched Part A+B: 15 x 5 kg units. 20 kg at Total

STORAGE & SHELF LIFE

Shelf life: 1 year in original package

Storage conditions: closed packed containers, away from moisture, sunlight and freezing

Storage temperature: 10 °C to 30 °C

HEALTH & SAFETY

Keep away from heat and open flame. Keep container closed. Use with adequate ventilation.

Avoid prolonged and repeated contact with skin.

MSDS is available at AYDIN CURE website.

TECHNICAL SERVICE

The AYDIN CURE Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

All data presented in this technical datasheet are based on our last researches in AYDIN CURE laboratories and are just as a guide for choosing appropriate material. Therefore users should conduct a sufficient investigation to establish the suitability and conformity of any product for intended uses.