

cds-Pouring Concrete UW flex

Technical Data Sheet No. 9932

Description: **cds-Pouring Concrete UW flex** is an easy pourable 2 component epoxy resin material filled with minerals which is permanently flexible.
The product fulfils the requirements of the ICAO and the FAA guidelines (AC150/5370-10C, ITEM P-606).

Application: In airfield construction to fix in pavement lights in asphalt concrete pavements and concrete.

Properties: Specific weight (mixture): 1.74 g/cm³
Mixing ratio: 77:23
Solids content: 99±1 %by weight

| | Application time (minutes) | | | Hardening (walkable) (hours) | | | Chemically stable after (days) | | |
|----------|----------------------------|------|------|------------------------------|------|------|--------------------------------|------|------|
| | 10°C | 20°C | 30°C | 10°C | 20°C | 30°C | 10°C | 20°C | 30°C |
| Hardener | 15 | 10 | 5 | 12 | 2 | 1 | 3 | 2 | 1 |

Lowest application temperature: + 8 °C
 Highest application temperature: + 30 °C
 Tensile strength: 3.9 N/mm²
 Expansion: 60 %
 Adhesive strength to concrete: > 1,5 N/mm²
 Temperature resistance: up to approx. 80 ° permanent strain
 up to approx. 120 °C for short periods
 Heat conductivity: 0,5 W/mK

Subsurface: Drilled holes or slots must be free of dust, loose stone, drilling sludge and other impurities. Stagnant water must be removed; the concrete can be poured on a lightly moist (damp) underground.

Mixing: Base (A) and hardening components (B) are packed in the exactly measured mixing ratio. Both components (A+B) are supplied in disposable containers. Component A should be stirred with a suitable agitator (for inst. slowly rotating drilling machine with agitator cage, rotating at max. 400 rpm) until it is free from clots.
 Stirring time: 3 to 5 minutes (check time with watch).
 In the event component A has become a hard sediment on the container bottom because of long storage, loosen sediment with a trowel prior to stirring the material.
 Component B is poured into component A after latter has been stirred. Intensively mix both components with the agitator, repeatedly scraping material off the walls and bottom of the container by means of a sharp instrument.
 Mixing time is 1 to 2 minutes (check time with watch).

Processing: Then pour the mixture into another clean container and stir well once more. The uniform appearance of the material proves the perfect mix.
 The mixed components are then poured immediately.

Note

In the event pouring the mix into another clean container and subsequent re-mixing were



not done after mixing components A and B in the original container, do pour the material only when processing it and do not scrape the material off the walls and bottom of the container because it must be avoided that incompletely mixed parts of the two components, still sticking to the container walls, are poured as well.

- Cleaning:** Tools should be cleaned immediately after the end of the work or before extended interruption of the work using **cds-EP-Thinner/Cleaner**. Material components and cleaner must not be allowed to enter the drainage system, water or ground water, but must be disposed of properly.
- Delivery sizes:** 8 kg container including of hardener
- Colours:** Grey or black (for flush lights in asphalt)
- Storage:** Can be stored for two years. Keep the can fully sealed and dry and store it at a temperature of + 15°C to + 20°C if possible. Avoid direct sunlight.
- Danger warnings:** Avoid contact with the skin, especially in the case of the hardening components. Use a grease-free skin protection cream. If spray or splashes get into the eyes, rinse thoroughly with water and seek medical assistance immediately.
Please observe the prevailing general safety and protection regulations together with the danger warnings and safety suggestions on the supply containers. Containers must be stored out of the reach of children, and children should also be kept out of the area during application.
After hardening the product is physiologically harmless.
Cured leftovers can be depolluted in an appropriate incineration plant.
- ADR class:** EU-limit, according to Decopaint code (VOC-content): include < 500 g/l (2010)
Giscode: RE 1
Base component A: Class 9, III
Hardener (B): Class 8, II

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