

cds-Pouring Concrete UW rapid

Technical Data Sheet No. 9915

Description: **cds-Pouring Concrete UW rapid** is a mineral substance filled, well pourable 2-component epoxy resin material without any solvents. It is a still higher reactive variety of the standard cds-Pouring Concrete UW. It's use is in particular recommended whenever short installation and hardening time only are available at low temperatures (1 to 15 °C). The very high reaction, which means very short processing time, limits the use of this material to a temperature range from approx. 1 to 15 °C.
The product fulfils the requirements of the ICAO and the FAA guidelines (AC150/5370-10C, ITEM P-606).

Application: Used for airfield constructions to install flush lights in concrete bed and black top surfaces. Sturdy, tight grouting of metal anchorings, such as grouting of anchorings and threaded bolts, dowels pins in guide railings and bridges.

Properties: Specific weight (mixture): 1,93 g/cm³
Mixing ratio: 91:9
Solids content: 99±1% by weight

	Application time (minutes)			Hardening (walkable) (hours)			Chemically stable after (days)		
	+ 1°C	+ 10°C	+ 20°C	+ 1°C	+ 10°C	+ 20°C	+ 1°C	+ 10°C	+ 20°C
hardener S	-	12	6	-	7	3	-	3	2
hardener FH	20	10	-	8	2	-	4	1	-

Please note: The curing of **cds-Pouring Concrete UW rapid** with Hardener S at + 10 ° C is still shorter than the **cds-Pouring Concrete UW** with Hardener FH.

Lowest application temperature: + 1 °C (hardener FH)
+ 5 °C (hardener S)
Highest application temperature: + 15 °C (hardener FH)
+ 20 °C (hardener S)
Compression strength: higher than 70 N/mm²
Tensile bending strength: higher than 30 N/mm²
Bonding strength to concrete: higher than 2,5 N/mm² (cracks in concrete)
Temperature resistance: until approx. 80 °C for continuous stress
until approx. 120 °C for short time stress
Water permeability according to DIN 1048: impermeable
Heat conductivity: 0,5 W/mK

Subsurface: Drilled holes or slots must be free from dust, loose stone, drilling sludge and other contaminations. Remove stagnant water. Pouring can be done on slightly moist subsurface.

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 mounted, rotating at max. 400 rpm) until it is free from clots (stirring time: 3 to 5 minutes - check time with watch). Pour only then component „B“ (hardener) into component „A“

and mix both perfectly (until mixture is of uniform appearance). The minimum mixing time is 1 minute and should not exceed 2 minutes.

Attention:

If cds-Pouring Concrete UW rapid has been stored over a longer period, the mineral fillers settle on the bottom to form a very hard sediment. This hard sediment must be loosened at first with a trowel and then stir base component „A“ with an agitator until the material is free from clots. Add hardener only then.

Longer mixing time shortens the available processing time!

Processing: The mixing being completed, pour the material immediately. Do not scrape the compound off the container walls to avoid that parts of both materials, sticking to the container walls and incompletely or not at all mixed with one another, 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 inclusive of hardener

Colours: Grey or black (for subfloor lamps in asphaltic concrete)

Storage: Two years in sealed, original container, in cool, frost-free, dry storage.

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.
EU-limit, according to Decopaint code (VOC-content): include < 500 g/l (2010)

Giscode: RE 1

ADR class: Base component A: none
Hardener S and FH (B): Class 8, II

Our information about our products and equipment, as well as our systems and procedures, is based on comprehensive research work and technical experience. These results are provided, either verbally or in writing, to the best of our knowledge and experience, and we accept no further liability over and above that of the relevant contract in question. We also reserve the right to make technical changes and modifications during the course of product development. In addition, our Technical Service is available on request for further advice or assistance in the resolution of any technical or application problems. This does however not relieve the user of the responsibility to check our information and recommendations on his own responsibility prior to using the product for his own purposes. This applies - particularly in the case of foreign deliveries - also with respect to the protection of the proprietary rights of third parties, as well as for applications and procedures not specifically specified by us in writing. In the event of damage, our liability is restricted to replacement to the same degree or extent, as defined in our General Terms and Conditions of Business for Deliveries and Services.