cds-Pouring Concrete UW rapid
Technical Data Sheet No. 9915

Description:

cds-Pouring Concrete UW is a filler intensified, well pourable 2-component epoxy resin material without any solvents. Specific advantages are its quick reaction at low ambient temperatures and its acceptable processing time at high temperatures when mixed with special hardeners.
The product fulfills the requirements of the ICAO and the FAA guidelines (AC150/5370-10C, ITEM P-606).

Application:

Used for airfield construction to install flush lights in concrete and asphalt pavements. Sturdy, tight grouting of metal anchorings, such as grouting of anchorings and threaded bolts, dowel 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	-

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

Lowest application temperature:	+ 1 °C (hardener FH)
Highest application temperature:	+ 15 °C (hardener FH)
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:	up to approx. 80 °C for continuous stress up to 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, 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

09/2023
cds Polymere GmbH & Co. KG
www.cds-polymere.de
Gau-Bickelheimer-Straße 72
55576 Sprendlingen/Rhh.
Germany
Tel. +49 6701 9350-0
Fax +49 6701 9350-50
info@cds-polymere.de

(check time with watch). Then pour the mixture into another clean container and stir well once more. The uniform appearance of the material proves the perfect mix.

Processing: 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.

Packaging sizes: 8 kg container including of hardener

Colours: Grey or black (for flush lights in asphalt)

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

09/2023
cds Polymere GmbH & Co. KG
www.cds-polymere.de
Gau-Bickelheimer-Straße 72
55576 Sprendlingen/Rhh.
Germany
Tel. +49 6701 9350-0
Fax +49 6701 9350-50
info@cds-polymere.de