



Description: cds-Pouring Concrete UW rapid is a well pourable 2-component epoxy resin filled with special aggregates. 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 complies with FAA regulation AC150/5370-10, ITEM P-606.

Application: Primarily used in AGL-installations on airports for embedding and seamless fixation of shallow bases for inset lights in concrete. Other uses: Sturdy, tight grouting of metal anchorings, such as grouting of anchorings and threaded bolts, dowel pins in guide railings and in bridge construction.

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

	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)
 +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: Up to approx. +80 °C for permanent strain
 Up to approx. +120 °C for short periods
 Water permeability acc. 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 hardeners (B) are packed in the exactly measured mixing ratio. 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 homogeneous (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: 1-2 minutes (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:** After being mixed the material is poured immediately into the gap between the borehole and the shallow base.
- 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.
- Deelivery unit:** 8 kg including hardener
- Colours:** Grey or black
- Shelf life/
Storage:** Shelf life of both components is two years after date of production, if stored in sealed, original container, in cool, frost free dry storage preferably at +15 °C to +20 °C. Avoid direct sunlight. No storage at temperature below 0 °C.
- Danger warnings:** Avoid contact with the skin, especially in the case of the hardener. 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 for handling epoxy resins as well as the danger and safety information in the safeta data sheets and on the delivery 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 55
- ADR class:** Base component A: None
Hardener S and FH (B): Class 8, III

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 Sale Conditions (available on www.cds-polymer.de).