



**Description:** cds-AGL BaseGrout UW flex is a mineral-filled, flexibilized, easily pourable, two-component reaction resin based on epoxy and is used for the frictionally locked filling of the cavity between the shallow base for underfloor lighting and the core drilling.

**Application:** cds-AGL BaseGrout UW flex meets the stringent requirements of FAA Specification AC 150/5370-10 G for AGL (Airfield Ground Lighting) in asphalt surfaces on runways.

**Installation:** Fixing and aligning the shallow base for underfloor lighting by pressing the shell into a mortar bed made with **cds-AGL Bedding Mortar**. After the mortar has hardened, grouting is carried out with **cds-AGL BaseGrout UW flex** up to the upper edge of the asphalt surface.

**Properties:**

Specific weight (mixture):	1,74 g/cm <sup>3</sup>
Solids content:	99 ± 1 % by weight
Mixing ratio:	77:23

	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	20	15	10	16	8	4	5	3	2

Minimum curing or object temperature:	+ 8°C
Maximum processing or object temperature:	+ 30°C
Compression strength:	3,9 MPa
Tensile bending strength:	60 %
Bonding strength to concrete:	> 1,5 MPa
Temperature range:	bis ca. + 80°C continuous load, dry bis ca. + 120°C briefly load, dry
Thermal conductivity:	0,5 W/mK

**Test certificate:** 9932.3 Basic test in accordance with AC150/5370-10G

**Subsurface:** Bore holes and recesses must be free of dust, loose rock, drilling mud and other contaminants. Standing water must be removed.

**Mixing:** The base component (A) and hardener component (B) are packaged in precisely measured mixing ratios. If component A has developed a hard sediment due to prolonged storage, this must be loosened with a trowel before stirring. Component A (without hardener) must be stirred until free of lumps. An electric hand mixer is recommended for stirring and mixing, e.g. a slow-running drill (300-400 rpm) with a mixing basket attached.



When mixing, scrape the sides and bottom of the container several times. Mix for approx. 2-3 minutes until the material is homogeneous and visibly free of streaks. Then pour into a clean container and mix again.

**Processing:** Grouting with cds-AGL BaseGrout UW flex takes place after the cds-AGL Bedding Mortar has hardened.

After mixing, immediately pour the material into the cavity between the shallow base for the underfloor lighting and the bore hole up to the top edge of the asphalt surface.

**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 unit:** 8 kg incl. 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. Keep container tightly closed, store in a dry place and, if possible, at +15 °C to +20 °C. Avoid direct sunlight.

**Danger warnings:** Avoid skin contact, especially with the hardener component. If splashes get into the eyes, rinse immediately with plenty of water and seek medical advice immediately. Please observe the general safety regulations of the employers' liability insurance association, in particular the instructions for use 'Epoxy resins in the construction industry' ([www.arbeitssicherheit.de](http://www.arbeitssicherheit.de)), as well as the hazard warnings and safety advice in the safety data sheets and on the delivery containers. The containers must be stored in a child-proof manner and children must be kept away during processing. After curing, the product is physiologically harmless. Product residues can be disposed of with household waste after curing. Uncleaned packaging and liquid components must be disposed of in accordance with official regulations (see information in the safety data sheet). Cured product residues can be recycled in a suitable waste incineration plant under waste code number 20 03 01 'Mixed municipal waste'.

VOC content labelling, EU Regulation 2004/42 (Decopaint Directive):  
Cat All/j/sb, EU limit value 500 g/l (2010):  
cds-AGL Base-Grout UW flex contains < 500 g/l VOC.

Giscode: RE90

**ADR class:** Base component (A): None  
Hardener (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 Sale Conditions.