



Description: cds-AGL BaseGrout UW eco is a mineral-filled, 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.
 cds-AGL BaseGrout UW eco is characterised by a high bio-based content, i.e. parts of the fossil-based carbon have been replaced by a bio-based carbon content.

Application: cds-AGL BaseGrout UW eco is used to grout shallow bases for runway underfloor lighting AGL (Airfield Ground Lighting) in concrete and asphalt surfaces on runways.

cds-AGL BaseGrout UW eco depending on the selected hardener variant, it can be used at both low and high ambient temperatures.

Installation in concrete is carried out as a complete grouting up to the upper edge of the concrete surface with cds-AGL BaseGrout UW eco.

Installation in asphalt is carried out using cds-AGL BaseGrout UW eco at -3.0 cm below the upper edge of the asphalt runway surface. The final grouting on the upper edge of the asphalt runway surface must be filled with flexible material (e.g. with cds-AGL SlotRestore flex eco).

Properties: Specific weight (mixture): 1,86 g/cm³
 Solids content: 99 ± 1 % by weight
 Mixing ratio: 91,5 : 8,5

Bio-based content (based on binding agent): ≥ 21 %

| | 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 S | - | 30 | 15 | - | 12 | 6 | - | 6 | 2 |
| Hardener FH | 20 | 15 | - | 8 | 5 | - | 4 | 3 | - |

Minimum curing or object temperature: + 15°C (Hardener S)
 + 10°C (Hardener FH)
 Maximum processing or object temperature: + 35°C (Hardener S)
 + 25°C (Hardener FH)

Compression strength: ≥ 70 MPa
 Tensile bending strength: ≥ 30 MPa
 Bonding strength to concrete: ≥ 1,5 MPa
 Temperature range: up to ca. + 80°C continuous load, dry
 up to ca. + 120°C briefly load, dry
 Thermal conductivity: 0,5 W/mK

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:** After mixing, immediately pour the material into the cavity between the shallow base for the underfloor lighting and the bore hole.
- Installation in concrete is carried out as a complete grouting up to the upper edge of the concrete surface with **cds-AGL BaseGrout UW eco**.
- The asphalt is poured using **cds-AGL BaseGrout UW eco** -3.0 cm below the top edge of the asphalt runway surface. The final grouting on the upper edge of the asphalt runway surface must be filled with flexible material (e.g. with **cds-AGL SlotRestore flex eco**).
- Alternatively, the shallow base can be installed for embedding and adjustment in a mortar bed using **cds-AGL BeddingMortar**.
- 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), 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 eco contains < 500 g/l VOC.

Giscode: RE 55

ADR class: Base component (A): None
Hardener (B) S, FH: 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.