



Description: **cds-Adhesive** is a thixotropic 2-component epoxy resin.

Application: It serves as bonding agent between concrete and **cds-Mortars**. It is of excellent bonding on roughened surfaces and those rough from breakage.

Properties: Specific weight (mixture): 1,5 g/cm³
 Solids content: 98 ± 2 % by weight
 Mixing ratio: 83 : 17

	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	-	7	5
Hardener FH	20	15	-	8	5	-	10	7	-

Lowest application temperature: +15 °C with Hardener S
 +5 °C with Hardener FH
 Highest application temperature: +35 °C with Hardener S
 +25 °C with Hardener FH
 Adhesive strength to concrete: > 2.0 Cracks in concrete

Subsurface: The mineral substrate must be dry, load-bearing, fine-grained and free of sludge, dust, loose particles, grease and oil. Layers with insufficient load-bearing capacity must be removed mechanically by blasting and/or milling. Then remove loose parts by blowing off. The tear-off strength of the concrete base must not fall below 1.5 N/mm².

Mixing: Base (A) and hardening components (B) are packed in the exactly measured mixing ratio. Pour component B completely into component A, and then mix the components together thoroughly. Scrape off the sides and bottom of the mixing container repeatedly and thoroughly during mixing. In order to prevent mixing errors, pour the pre-mixed material into a clean container, and stir again thoroughly.

Processing: The material can be applied on, preferably with a scrubbing broom with natural bristles or broad brushes used for wide surfaces.
 Consumption: 0,5-0,8 kg/m².
 When using **cds-Adhesive** make sure to work the „wet-in-wet“ way - what means, that **cds-Mortar** need to be applied on the still fluid, sticky bonding agent.
 If the job must be interrupted or the already applied bonding agent can no more be covered with mortar prior to the coat solidification, dry quartz sand, 0,4 - 0,7 mm grit, need to be broadcasted over the bonding agent coat. The sand, which does not stick, need to be swept off prior to job resumption and another bonding agent coat will be painted on.

When painting the bonding agent on, the fresh concrete or cement mortar shall not be moister than normal moist soil. In addition to the subsurface interruptions, described



above, edges sloping to the subsurface grade, need to be interrupt off at an angle of 90 °C and approximately 2 cm deeper than the surface because the applied fresh concrete should be of a minimum 2 cm thickness.

Install the joint board or the formwork prior to painting the bonding agent on. Prior to its installation, formwork (wood or metal) should be painted with an insulator (such as formwork oil) to prevent the bonding agent to stick. Foils and bituminous paper are suiting as well.

The clearance between the joint board and joint bottom should be painted on bonding agent to the adjacent concrete slab. Carefully paint the bonding agent up to the slab limits to enable perfect bonding also in the weakest parts of old concrete/new concrete. Having spread the fresh concrete, it is shaken by a shaking board or compacted manually. The fresh concrete surface shall then be graded by a grading board or rotary levelling machine.

The new concrete must be retreated in compliance with the „Regulations for the Construction of Concrete Driveways“. The joint board shall be removed after 48 hours only. If, in spite of the placed joint board, a sticky layer (bonding agent bridge to the adjacent concrete slab) developed itself, the latter must in any case be cut by a cut- off wheel.

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: 1 kg bag and 2 kg, 4 kg, 10 kg containers including hardener

**Shelf life/
Storage:** 1 Year dry storage, preferably at + 10 °C to + 20 °C. Keep package well closed in sealed original containers/bottles.

Danger warnings: Avoid contact with the skin, especially in 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 together with the hazard and precautionary statements 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 Deco paint code (VOC-content): contains < 500 g/l (2010)
Giscode: RE 55

ADR class: Base component A: Class 9, III
Hardener S, Hardener FH, FH-Super: 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 Terms and Conditions (available on www.cds-polymere.de).