



cds Polymere

Epoxy products for operational areas of airports



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Baile Felix / Romania

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Content



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 - * General company information
 - * cds Polymere scope of applications and products
- * Selected products for the use on airports



cds Polymere GmbH & Co. KG



General company information

- * Foundation in 1966 as part of POSSEHL Spezialbau
- * Spin-off from POSSEHL Spezialbau as independent **product manufacturer** in 2012
- * Epoxy based products for use in different sectors
- * Head office/plant in Sprendlingen, Germany



cds Polymere GmbH & Co. KG



cds-products are basically used

* on airports



* on roads



* in industry



* Sold for over 40 years under
brandname cds® worldwide



cds Polymere GmbH & Co. KG



cds®

- * is the abbreviation for Concrete double strength
- * Or translated to technical values:
 - * Average compressive strength of concrete on runways is 35-45 N/mm²
 - * The compressive strength of cds-repair mortar is about 80 N/mm²



cds Polymere GmbH & Co. KG



Products „Made in Germany“

- * All our products are developed in our own laboratories
- * Manufactured in our plant in Sprendlingen, Germany
- * According to „CE“-labeling, national and international regulations, like FAA
- * ISO 9001 Certified by TÜV Rheinland – German Association for Technical Inspection



cds-Products for the use on Airports



Important issues on operational areas of airports

✘ Extreme conditions

mechanical/chemical stresses, heavy loads

✘ Steady operations, little downtime

✘ Safety! No FOD !!!!



cds-Products for the use on Airports

cds-products are

- ✦ Especially designed for use on airports
- ✦ Focus on: quality, durability, safety
- ✦ Used for over 40 years on airports around the world



cds-Products for the use on Airports



cds-products used for airport operating surfaces are mainly:

- ✦ Repair mortars for concrete damages and damages of joint-edges
- ✦ Sealings for fixation of in-pavement lights (AGL) and sealing of cable slots



cds Products on Airports - Mortars



* Main characteristics of cds-mortars

- * excellent bonding
- * fast reaction
- * no crack formation or spalling
- * high persistence and durability
- * chemical resistance



cds Products on Airports – Sealing



Main characteristics of cds-Pouring Concrete UW

- * **cds-Pouring Concrete UW rapid** is an easy pourable epoxy resin filled with minerals
- * Temperature resistance up to +120 °C
- * resistant against de-icer, fuel, cerosin, brake fluid
- * complies to FAA (ICAO) guidelines



cds Products on Airports – Sealing



Test report according to FAA



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Akreditiertes Prüfaboratorium nach DIN EN ISO 17025 : DAF PL 1004 00

Anerkante P.-Ü.-Stelle für Bauprodukte gemäß Hessischer Bauordnung § 28.1

Notifizierte P.-Ü.-Stelle nach Europäischer Bauproduktenrichtlinie (89/106/EEG) - Kenn-Nr. 1119
Notified body acc. to Council Directive (89/106/EEC) - Ident. No. 1119



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Test report

P 5495-E

Testing order:

Tests of the two-component casting resin mortar based on Epoxy resin cds-Gießbeton I/W / rapid in accordance with:

AC 150/5370-10C: Standards for specifying construction of airports

ITEM P-606 Adhesive compounds, two-component for sealing wire and lights in pavement



cds-Products on Airports – Sealing



cds Cable Joint Filler

- * is a flexibilized 2 component epoxy resin based material
- * It is used to fill cable ducts (not applicable for expansion joints) cut in asphalt or concrete.



Cooperation with CIATO GALVANOTEHNIC

- ✦ Cooperation with CIATO since 2004
- ✦ CIATO is representative for cds-products for operational areas on airports in Romania and your local contact for upcoming projects
- ✦ cds-products have been already successfully used on many Romanian airports



Bucharest-Otopeni



Cluj-Napoca



Iași Internat.
Airport



Brașov Airport



Let's start !

