



Lufthansa Technik Intercoat

Founded on 1 January 2001, Lufthansa Technik Intercoat is a joint venture of Lufthansa Technik (51 percent) and the Interturbine Group of Companies (49 percent). The company is known for the Advanced Epoxy Coating Process which is designed to salvage worn, corroded or eroded accessories.

Service spectrum

Lufthansa Technik Intercoat has more than three decades of experience with the epoxy repair process, having continuously upgraded its performance. The Advanced Epoxy Coating Process currently offered is designed for the repair of engine and aircraft components as well as marine applications and high-performance industrial equipment, which must meet exact criteria of operation, reliability and safety. Following the cleaning, incoming inspection, pre-machining and FPI inspection (fluorescent penetrant inspection) and surface preparation, the proprietary epoxy compound Interfill® is applied to the respective part as a paste and hardened at 120 to 150 degrees Centigrade to develop its special characteristics. Machining to final contour is the last step. The result is an improved performance of the complete assembly or system, while the base material properties remain unaffected even after repeated application. The process is certified by all main airworthiness authorities.

In focus: Interfill®

Registered under the trade name Interfill®, this compound is the key component of the Advanced Epoxy Repair Process. A mix of a stable epoxy resin and a dry lubricant filler, Interfill® is an airworthiness approved material, which not only restores components to serviceability, but gives them better wear characteristics than the original surface. It is applied with a coating thickness of 0.2 mm to 5.0 mm (0.008 to 0.2 inches). Besides an efficient corrosion protection and a remarkable cavitation resistance within fuel or hydraulic fluid, Interfill® shows excellent bond strength, high compatibility with fuels, hydraulic fluids and other lubricants as well as excellent dry run characteristics due to its self lubricating behaviour. In addition, it can be used in a wide operating temperature range and is applicable to various different materials. Through continued improvement and extensive testing, three variants of the material have been developed, named Interfill®-1, Interfill®-2 and Interfill®-3, differentiated in regards to their scratch resistance, final achieved surface smoothness and wear resistance.

Outlook

While the business of Lufthansa Technik Intercoat continues independently with its high-quality service, the company and its customers especially profit from the close cooperation with the mother company Lufthansa Technik in terms of engineering knowledge and development of new repair schemes.



Key facts

Founded	2001
Personnel	31
Capacity	2,000 m ²



Component Services

Interfill® Repairs Aircraft

- A300, A310
- A319, A320, A321
- A330, A340
- 707
- 727
- 737
- 747
- 757
- 767
- MD-80
- MD-90
- MD-11
- BAe146, Avro RJ
- CRJ100, CRJ200
- Fokker F50, F70, F100

Portfolio

- Fuel
- Oil
- Pneumatics
- Hydraulics

Engine Parts & Accessories Repair

Interfill® Repairs Engines

- CF6-6
- CF6-50
- CF6-80A
- CF6-80C2
- CF6-80E1
- RB211
- JT8D
- JT9D
- CFM56
- V2500
- PW100
- PW2000
- PW4000

Interfill® Repairs APU

- GTCP 36
- GTCP 85
- GTCP 331
- GTCP 660
- PW 901
- APS 2000
- APS 3200

Additional Services

- Interfill® repair process
- Industrial equipment
- Gas turbine components

Contact

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