



ASFALIT forte

Single-component coating agent

1. Product characteristics

ASFALIT forte is a bituminous protective varnish modified with synthetic rubber and special additives, that provide a long-term protection of concrete, cement plasters, cast-iron or galvanized surfaces.

- quick drying
- creates tough anti-corrosive layer
- resistant to water
- resistant to mild acids and alkalis
- permanently elastic even at low temperatures

2. Use

ASFALIT forte is a bituminous protective varnish based on modified bitumen, intended as a protective coating for concrete and steel constructions, cast-iron tiles and parts. Perfectly suitable for structure protection against ground moisture in environments with increased humidity and others. It can be used also for repairing of roofing, flat roofs, pools of industrial and waste water and others.

3. Physical and mechanical parameters

Color	Non-standard black
Adhesion to base (MPa) concrete, metal sheet (according to ČSN 73 2577)	≥ 0.5
Bitumen strip (according to ČSN 73 2577)	≥ 0.3
Drying (curing) time (hours)	12 - 24
Temperature resistance after hardening (°C)	-30 ÷ +60
Thermal range of use (°C)	+5 ÷ +35
Tensile strength (MPa) (according to EN ISO 527)	0.22
Elongation (%) (according to EN ISO 527)	362
Absorbability (%) (according to EN ISO 62)	0
Watertight at a pressure 0,8 MPa (according to EN 12390-8)	impermeable

4. Test certificates

The product is certified according to § 12 of Act No. 22/1997 Coll. and according to § 6 of Government Regulation No. 163/2002 Coll. as amended.

Continuous independent production quality control is provided by AZL 1687 LABBET®.

Supervision of Quality Management Systems, Environmental Relations and OSH is carried out by Certification Body No. 3029.

5. Instruction for preparation and application

Substrate. All incoherent, loose or weatherworn particles shall be completely removed from the base. The surface must not be frozen, it can be slightly moist. Porous substrates (concrete, cement plasters, etc.) shall be primed using **ASFALIT primer** coating.

Application. **ASFALIT forte** is supplied ready for direct application. It is applied by a regular brush or a roofer's brush. **ASFALIT forte** can be applied by air-less spray, especially at preheated surfaces, smaller parts can be soaked. Discuss a proper spray equipment with the manufacturer. The final thickness of the coating shall be from 1 to 1.5 mm in dependence on the exposure, which amounts to at least two layers with a minimum consumption 0.5 kg/m².

Neither temperature of base nor temperature of ambient air shall be below +5 °C and above +35 °C. When spraying, the surface can have temperature up to +55 °C.

Tools and equipment can be cleaned best with technical gasoline respectively. cleaning agents based on methyl ethyl ketone (MEK).

6. Specific consumption

Specific consumption of the **ASFALIT forte** amounts to ca 0.5 – 0.8 kg/m² for one layer of coating.

7. Packing and storage

ASFALIT forte is supplied in PE buckets of 9 kg.

Shelf life in undamaged packing is 12 months at temperatures above +5 °C.



8. Health protection at work

Work with **ASFALIT forte** requires adequate sanitary measures usual for work with materials on the bituminous basis. First of all it is necessary to follow relevant Safety Warrant of the product.

The workplace shall be properly ventilated, workers shall have adequate personal protective equipment, and no eating, drinking or smoking is allowed while working.

In case of eye contamination it is necessary to rinse out eyes with clean water and immediately seek out medical aid. In case of accidental swallowing it is necessary to immediately cause vomiting and immediately seek out medical aid. In case of afflicted skin it is necessary to wash thoroughly the irritated skin with warm water and soap and treat it by a suitable reparative cream.

Issued MSDS meets the requirements of EC-Regulation 1907/2006, Article 31.

Because the product meets the criteria for classification as hazardous, it is necessary to provide the recipient or carriers with MSDS.

In countries where regulation REACH (par. 33.1): EU regulation on chemicals and their safe use (REACH: EC 1907/2006) is valid, professional users and distributors must be provided with following information automatically and without request:

This product is subject to Regulation (EC) no. 1907/2006 (REACH). It does not contain any substances that could be released from product under normal or reasonably foreseeable conditions of use. Therefore, there are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation.

Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from candidate list published by the European Chemicals Agency in concentrations above 0.1% (w / w).

9. Waste disposal

During disposal of contaminated packages or clearing debris from product, it is necessary to follow the Act No. 185/2001 Coll. on waste, as amended.

10. Important notice

All information mentioned above, especially advice for processing and application of our products, is based on our knowledge from the development of chemical products and on years of experience with applications in practice at standard conditions, and proper storage and use. Due to the differing conditions during processing, high count of products, varying nature and modifications of base and other external influences, the procedure based on the information provided or on other written or oral recommendations, may not always ensure satisfactory working results. BETOSAN s.r.o. assumes no liability for provided advice or recommendation. The applicator must prove that he submitted complete information on time and in writing which is necessary for a proper detailed assessment by BETOSAN s.r.o. The applicator must test the suitability of the products for the intended application. Proprietary rights of third parties, above all, must be taken into account. All received orders are subject to our current "General sales and delivery conditions". Please always make sure that you follow the most recent issue of the Technical Data Sheet. It is available, along with other information, at our Technical Department or at www.betosan.cz.

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