

## Product Specification

## TEGO® Addibit FS 725 A

## Product description

TEGO® Addibit FS 725 A is a bitumen additive based on organo-modified siloxanes.

## Physical properties

Appearance	Clear, yellow
Active content	40 %
Density (25 °C)	Approx. 0.9 g/cm <sup>3</sup>
Viscosity (25 °C)	Approx. 130 mPas
Flash point	> 100 °C

## Application

TEGO® Addibit FS 725 A is used as a foam stabilizer in the production of foamed bitumen.

## Properties/Benefits

- Increased initial foam height
- Higher initial foam volume
- Longer half-life time leads to strongly improved foam stability (much higher foam index)
- No impact on specification of the bitumen
- No impact on the adhesion properties of the bitumen
- Temperature stable up to 170 °C for several days

As a result, even bitumen grades with poor foaming characteristics may be used for this application.

## Dosage and handling

The dosage depends on the type of bitumen and the desired foam quality.

For first trials we recommend 0.1 % referred to bitumen when working with a water content of 2.0 to 3.0 % in the total formulation. TEGO® Addibit FS 725 A is added to the bitumen phase.

## Typical performance data

## Test parameters

Bitumen grade	Total B70 / 100
Test device	WLB 10 (Wirtgen)
Bitumen temperature	150 °C
Bitumen pressure	6.5 bar
Air pressure	6.0 bar
Water content	1.0 – 5.0 % (referred to Bitumen)
TEGO® Addibit FS 725 A	0.25 % (referred to Bitumen)

## Foaming characteristics at different amounts of water added to the bitumen

## Control - without Additive

Water content	ERm	T <sub>1/2</sub>
1.0 %	9.3	9.0
2.0 %	15.0	5.7

## With 1000 ppm (0,1%) TEGO® Addibit FS 725 A

Water content	ERm	T <sub>1/2</sub>	Era	FI
1.0 %	16	344	12.1	1 861
2.0 %	20	291	16.2	2 740
3.0 %	31	150	31.6	4 210
4.0 %	37	96	37.2	3 220
5.0 %	41	62	40.8	2 680

ERm determined foam volume in litre  
ERa maximum foam volume in litre  
T1/2 half-life time; time in sec, after which 50 %  
of the foam collapsed  
FI Foam index

### Registration status

The ingredients of TEGO® Addibit FS 725 A are listed in the following chemical inventories:

EINECS, TSCA, DSL, ENCS, PICCS, China.

Further information is available on request.

### Storage stability

TEGO® Addibit FS 725 A may be stored in closed containers for at least 12 months, provided moisture is excluded and storage temperature does not exceed 35 °C.

### Packaging

Pallet à 720 kg  
(4 x 180 kg plastic drums)

### Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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