

# BOSTIK 3070

## VISCOUS PLASTIC CORK SPRAY

### AREA OF APPLICATION

Suitable for noise and heat insulation on window frames against masonry, on door frames and on partition walls and for other possible noise and heat insulation applications.

### DESCRIPTION

BOSTIK 3070 is a high quality sealant for noise and heat insulation purposes. The material is made up of shredded cork and an elastic binding agent.

BOSTIK 3070 is a single component with a high viscosity and good stability. The large number of air-filled cells in this shredded cork make BOSTIK 3070 an insulating material which effectively reduces the passage of heat and cold and produces excellent noise insulation. Test certificates have been issued by the "Fraunhofer Institute of Building Physics" in Stuttgart for the air noise insulation of BOSTIK 3070 in accordance with DIN 52210 (IPB-GS 133/90) and its heat conduction in accordance with DIN 52616 (P1-117/1990).

### TECHNICAL DATA

Base	Cork granulate, bound with adhesive
Colour	Cork colours
Density	0.35 g/cm <sup>3</sup>
Consistency	Viscous plastic, stable, to be applied using joint guns (compressed air) or by hand
Temperature resistance	- 30°C to + 120°C
Drying	Approx. six to twelve hours, depending on the temperature conditions
Insulation properties	Very good for noise, heat and cold
Noise insulation (in accordance with DIN 52210)	By installing BOSTIK 3070 Cork spray, noise insulation compared to the empty joint can be improved by 27 dB and with an additional 3 mm of permanent elastic joint sealant BOSTIK 2637 this improvement can be increased to 30 dB. The maximum insulation of the test bench can almost be achieved.

Measurement results (extract from the test report from the Fraunhofer Institute)

Formation of the joint	$M_{STW}$
Empty joint	19 dB
Filled with mineral fibre	37 dB
Filled with BOSTIK 3070 Cork spray	46 dB
Filled with BOSTIK 3070 Cork spray and approx. 3 mm BOSTIK 2637 on one side (after three weeks vulcanising time)	49 dB
Maximum insulation using the test equipment	50 dB

Heat conduction  
Test equipment

Approx. 0.044 W/m x k (DIN 52612)  
500 mm unit for the dual plate process described by  
DIN 52612  
Part 1

MEASURE- MENT NO.	AVERAGE TEMPERATURE OF THE SPECIMEN SURFACE		AVERAGE TEMPERATURE DIFFERENCE	AVERAGE TEMPERATURE OF THE SPECIMEN	AVERAGE HEAT CONDUCTION
	ON THE HOT PLATE SIDE	ON THE COOL PLATE SIDE			
	$\theta_{wm}$ °C	$\theta_{km}$ °C	$\theta_{wm} - \theta_{km}$ K	$\theta_{mr} = (\theta_{wm} + \theta_{km})/2$ °C	$\lambda_g$ W/(m x K)
1	12.4	3.7	8.7	8.1	0.0401
2	29.4	18.5	10.9	24.0	0.0422
3	38.4	27.7	10.7	33.1	0.0434

Heat conduction capacity

HEAT CONDUCTION CAPACITY AT 10°C AVERAGE TEMPERATURE WHEN DRY $\lambda_{10, tr}$	ADDITIONAL VALUE TAKEN FROM TABLE 1 LINE 14 Z	$\lambda_{10, tr}$ WITH ADDITIONAL VALUE Z $\lambda_Z$
W/(m x K)	----	W/(m x K)
0.0403	0.10	0,044

Application equipment Conventional manual or compressed air gun  
Application temperature + 5°C to + 35°C  
Cleaner BOSTIK Solvent 270, BOSTIK Solvent 250  
Storage capacity One year in unopened original containers if stored in a cool,  
dry place

**INSTRUCTIONS FOR USE**

The adhesive surfaces must be free of grease and dry. To improve adhesion, pretreatment of the adhesive surfaces with BOSTIK 5017 Primer can be recommended. The airing time is at least 30 minutes, and a maximum of 24 hours. BOSTIK 3070 can be applied with a compressed air gun or by hand. The prepared joints should be filled evenly with BOSTIK 3070. BOSTIK 3070 should be protected from the effects of the weather by means of an elastic sealant. A cover with an elastic sealant is also required on the inside. BOSTIK 2638 and BOSTIK 2637 are suitable sealants for this purpose.

**SPECIAL NOTES**

In unfavourable circumstances BOSTIK 3070 may smell of rubber solution for a long period of time. This is why a cover is also required on the inside, eg. using BOSTIK 2637/2638.

Further information is given in our safety data sheet.

These instructions are designed to provide you with the best advice we can give based on our tests and experience. However, as a result of the large number of possible applications and the storage and application conditions which are beyond our control, we cannot offer a guarantee for the results of individual cases when using our products. We recommend that you carry out your own tests. Our technical and commercial advice service is available to you.