BRONYA

SUPERFINE HEAT INSULATION

Recommendations for determination of the thickness
of Bronya liquid ceramic heat-insulation and its modifications
for application on building facades

Application of Bronya liquid ceramic heat-insulation is designed to provide energy efficiency, achieve standardized heat losses, eliminate condensation forming, etc. To correctly determine the necessary amount of Bronya Facade heat-insulation for solving issues on insulation and protection of load-bearing structures of residential, industrial, administrative buildings we recommend the following:

• It is required to perform thermotechnical calculations in order to determine the thickness of Bronya heat-insulation correctly. If necessary, our experts are able to perform thermotechnical calculations to determine the thickness of Bronya heat-insulation in accordance with SNiP 23-02-2003. (This service is provided free of charge). You shall fill in a job form (you can download it from our website http://www.nano34.ru/technical_documentation) and send us via email or fax;

• Our experience in solving the problems of heat insulation of different objects allows to provide empirical data on the thickness of the required layer of Bronya Facade heat-insulation:

a) 1-1.5 mm Bronya Facade layer is sufficient to solve the problems of a “cold” wall and maintain comfortable temperatures;
b) Usually 1.5-2.5 mm is sufficient to solve the problems of internal condensation;
c) 2.5-3.5 mm is enough to solve the problem of freezing.

Approximate calculation of the thickness of Bronya Facade liquid ceramic heat-insulation to increase the thermal protection of walls in accordance with the requirements of SNiP 23-02-2003

Wall material	Thickness of the wall material, mm	Thickness of Bronya Facade layer, (rated), mm	Thickness of Bronya Facade layer, (round), mm	Approximate consumption, if applied with a brush, l/m^2
Brick	250 400 530 670	2.31 1.83 1.42 0.81	2.5 2 1.5 1	2.75 2.2 1.65 1.1
Concrete	250 350	1.65 1.33	2 1.5	2.2 1.65
LWA concrete	200 300 400	2.21 1.87 1.37	2.5 2 1.5	2.75 2.2 1.65
Foam concrete	200 300 400	2.04 1.56 1.22	2.5 1.5 1	2.75 1.65 1.1
Wood	100 150 200	1.72 1.47 0.64	2 1.5 1	2.2 1.65 1.1
Metal	0.4 0.6 0.8	2.13 1.78 1.54	2.5 2 2	2.75 2.2 2.2