BRONYA®

SUPERFINE HEAT INSULATION

Thickness recommendations

Liquid ceramic thermal insulation coatings of the Bronya series and modifications

for use on building facades

The use of liquid ceramic thermal insulation coatings of the Bronya series is aimed at ensuring energy efficiency, achieving normalized heat losses, eliminating problems with condensation, etc. To correctly determine the required amount of coating Bronya Facade for solving problems of insulating the enclosing and supporting structures of buildings and residential structures, for industrial, administrative purposes, we recommend:

- To correctly determine the thickness of the Bronya coating, carry out a heat engineering calculation. When if necessary, our specialists carry out thermal calculations of the thickness of the Bronya coating in accordance with the norms of SNiP 23-02-2003. (This service is provided free of charge). Necessary fill out the assignment form (can be downloaded on our website - https://nano34.ru/en/documents/technical-documentation) and send it to us by e-mail or fax;
- Our experience in solving problems of thermal insulation of various objects allows us to give empirical data on the thickness of the required layer Bronya Facade:

a) To solve the problem of the "cold wall" and create comfortable temperatures for living, as a rule, 1-1.5 mm Bronya Facade is sufficient;

b) To solve the problems of internal condensation, as a rule, 1.5-2.5 mm is sufficient;

c) To solve the problem of freezing, as a rule, 2.5-3.5 mm is enough.

A table of approximate calculation of the thickness of the coating of the heat-insulating coating Bronya Facade for increasing the thermal protection of walls in accordance with the requirements of SNiP 23-02-2003

Name wall material	Thickness wall material, mm	Layer thickness Bronya Facade (calculated), mm	Layer thickness Bronya Facade (rounded), mm	Approximate application consumption brush, l / m2
Brick	250	2,31	2,5	2,75
	400	1,83	2	2,2
	530	1,42	1,5	1,65
	670	0,81	1	1,1
Concrete	250	1,65	2	2,2
	350	1,33	1,5	1,65
Expanded clay concrete	200	2,21	2,5	2,75
	300	1,87	2	2,2
	400	1,37	1,5	1,65
Foam concrete	200	2,04	2,5	2,75
	300	1,56	1,5	1,65
	400	1,22	1	1,1
Wood	100	1,72	2	2,2
	150	1,47	1,5	1,65
	200	0,64	1	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