

APPROVED BY
The Director of the Federal Budgetary Institution of Science
Scientific Research Disinfectology Institute of
Rospotrebnadzor, Doctor of Medical Sciences
N.V. Shestopalov

September 05, 2019

OPINION

on assessment of possible damaging of heat insulating panels, made of TechnoNICOL PIR F/F foamed polyisocyanurate manufactured by LLC “TechnoNICOL-Construction Systems”, by ants and German cockroaches

In accordance with the Contract No. 147/19-Д dated June 27, 2019 the development prototypes of heat insulating panels based on TechnoNICOL PIR F/F foamed polyisocyanurate laminated from both sides by aluminum foil (hereinafter – “material sample”) have been submitted for investigation to the Federal Budgetary Institution of Science “Scientific Research Disinfectology Institute” of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing (hereinafter – “FBIS SRDI of Rospotrebnadzor”).

Samples have been manufactured by the branch of “Zavod Logicroof PIR”, LLC in accordance with the Organization Standard 72746455-3.8.1-2017.

Investigation program included estimation of material samples used by ants and German cockroaches as a source of food and estimation of mechanical damage amount caused to the material samples by aforementioned insects.

Experiments have been conducted on insectarium strains of German cockroach *Blattella germanica* and ant *Crematogaster schmidtii* by researchers of the FBIS SRDI of Rospotrebnadzor at the Laboratory of insect control issues in July-August 2019.

Based on the obtained results of the study, the following conclusions shall be made:

1. TechnoNICOL PIR F/F material samples do not attract insects as food and shall not be considered as fodder for insects.
2. While contaminating TechnoNICOL PIR F/F material by insects, some minor non-food damages have been observed except for damaging sides laminated by aluminum foil.
3. Gaps between plates of the material increases the probability of insect contamination therefore it is recommended to additionally paste foiled adhesive tape over the joints between plates in order to protect materials.

Leading researcher,
PhD in Biological Sciences



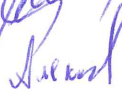
M.A. Alekseev

Junior researcher



K.S. Krivonos

Acting head of the Laboratory of disinsection
issues, PhD in Biological Sciences



M.A. Alekseev