

INITIAL FIRE SAFETY INSPECTION REPORT

EUROTEX KNITWEAR LTD. (Extension)

RSC ID: 24570

ADDRESS: Nayamati, Kutubpur, Fatullah, Narayanganj

Other Factories: EUROTUX KNITWEAR LTD.(9289), EURO KNIT SPINN COMPOSITE LTD.(12637)



Inspected By: Ahammad Kabir & Md. Golam Kibria

Date: 13-August-2023

Findings & Recommendations :

Table 1- summarizes the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline.

An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the RSC for approval

Table-1: Findings & Recommendations

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction due to unprotected opening. Location: Building 04 and building 05	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr fire-rated construction. Provide minimum 1.5- hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation (10" wall). Ensure that all fire doors are self-closing, positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system. Once fire doors are installed, every door in a stair	Within 3 months
				

F-2	Fire Rated Construction.	Storage/ storage rooms discharge directly into the exit stair enclosures. (Building 4: 1st floor and 2nd floor).	Openings from exit enclosures to storage areas, basements, transformer rooms, generator rooms, boiler rooms, and similar normally unoccupied spaces shall be provided with vestibules as per RSC Technical Guidelines (Standard) section 6.14.3. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on store, generator, sub-station room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
				
F-3	Fire Rated Construction	Unsealed penetrations and openings are located in the exit stair enclosures. Location: Building 04, Building 05.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separations.	Within 3 months

				
F-4	Fire Rated Construction	Unsealed penetrations and openings are located on the fire-rated floor/ceiling assemblies. Location: Building 04, Building 05.	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation minimum 3-hr by fire rated construction. The used sealer shall be 3rd party certified and installation shall be as per manufacturer's guideline.	Within 3months
				

F-5	Fire Rated Construction	Exterior exit stair is not properly separated from the building. Location: East stair of building 5	Exterior exit stairs shall be separated from the building with a rating requirement of 1 hr. fire rating for 3 or fewer stories or 2 hr. fire rating for 4 or more stories. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structure.	Within 3months
 				
F-6	Means of Egress	Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.). Location: Building 04.	Provide guards with a minimum height of 1067 mm (42 inch.).	Within 1 month

				
F-7	Means of Egress	Building did not have stair designation signs & exit designation signs at required locations. Location: Building 04 & Building 05.	Provide stair designation sign & exit designation sign at each floor entrance from the stair to the floor in English and Bengali. Signs shall indicate the name of the stair and the floor level. Signs shall be posted adjacent to the door.	Within 1 month
F-8	Means of Egress	Building did not have occupant load signs at required locations. Location: Building 04 & Building 05.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 month
F-9	Means of Egress	Elevator shafts openings are not fire separated from the factory floors. Location: Building 04 & Building 05.	Separate the elevator shaft by 1.5-hr fire rated opening protection from the factory floors. There is a variety of opening protective types i.e., fire rated lift landing doors, fire doors, fire rated curtain combination for both heat & smoke control with integration with fire alarm control panel.	Within 3 months

				
F-10	Means of Egress	Exit discharge path from building-5 is not unobstructed and not connected to the public way. Location: Building 05.	Ensure smooth and safe evacuation from building 5 by ensuring free of obstruction to the public way.	Within 3 months
F-11	Means of Egress	Discharge from the 2nd floor is provided by single exit.	Provide additional exit on the 2nd floor following section 6.6.2 and 6.6.6 of RSC Technical Guideline.	Within 3 months
F-12	Inspection, Testing and Maintenance (ITM) of Emergency Lighting	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with the RSC standard. Keep written records on-site.	Within 3 months

F-13	Fire Alarm & Detection System (FADS)	Addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard. Location: Building 04 & Building 05.	Submit design, documents and calculations to RSC for review and based on the review modify the system if there is any. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Design Review within 1 month and modification within 3 months (If require).
 				
F-14	Fire alarm & Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per RSC standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 (Table-14.3.1) or as per RSC standard.	Within 1 Month (after installation)

F-15	Fire Suppression System (SUPS)	The highest occupied floor of existing building is more than 10 m (33 ft.) above grade where class III standpipe system is mandatory, and the factory has installed Class-III standpipe which is required to be reviewed and verified. Location: Building 04 & Building 05.	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guideline (Standard) and NFPA 14, 20, 22 and 24. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the standpipe system.	Design within 2 months and modification/ installation with 3 months
F-16	Inspection, Testing and Maintenance (ITM) of standpipe system	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system in accordance with NFPA 25 and keep written records on-site.	Within 1 Month (after installation)
F-17	Inspection, Testing and Maintenance (ITM) of fire pump system	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 25.	Inspect, test and maintain the fire pump in accordance with NFPA 25 and keep written records on-site.	Within 1 Month (after installation)
F-18	Smoking Sign	The required no smoking signs are not present in the factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs.	Within 1 Month
F-19	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per RSC standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per RSC standard.	Within 1 Month