

INITIAL FIRE SAFETY INSPECTION REPORT

OXFORD KNIT COMPOSITE LTD

Factory ID: 24208

ADDRESS: 260, Ariab, Rupsi, Tarabo, Rupganj, Narayanganj, Bangladesh

Geographic Coordinates : latitude 23.75766 and longitude 90.44967

Other Factories: None



Inspected By: Monsurul Akram Azim and Md. Abu Taher Khan

Date: 19 August 2021

Findings & Recommendations :

Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue. 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-:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire-Rated Construction	The buildings are constructed by steel. The main structural element of the buildings are constructed by steel which appears to be non-rated and were found in exposed condition.	Provide fire-resistive rated construction barriers between floors following Section 4.4 and Table 4.4.1 of the Accord Standard or Table 3.3.1 and Table 4.1.1 from BNBC Part 4. Consult a qualified fire protection engineer to design the rated construction barriers	Within 6 months

				
F-2	Fire rated separation	Exit stair shall be separated from the production floor & other occupancy.	Exit Stairs, elevator shafts and other vertical shafts – 1 hour fire rating if building is less than 4 stories. Exit stair inside the floor shall 1 hour fire separated.	Within 3 months
				

F-3	Fire-Rated Construction	Sub station and generator , all are located in single storey utility building but there were no fire separation by fire-rated construction. Penetration observed among the Boiler & compressor room.	Separate the Substation, Generator by a minimum 2-hr fire rated construction & Boiler room, compressor room by a minimum 1-hr fire rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
				
F-4	Fire Rated Construction	Combustible storage on ground floor are not separated by fire rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months

				
F-5	Fire-Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location : Grnd and 1st floor. Storage found under the cutting table.	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. - Or 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. - or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction. storage shall remove from under the cutting table.	Within 3 months

				
F-6	Fire-Rated Construction	Penetrations through the floor/ceiling out are found unsealed entire the building.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling: minimum 3 hr.) assemblies by third-party certified fire rated materials to maintain the fire resistance rating. or, Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months
				

F-7	Egress	Building did not have stair designation signs or occupant load signs at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 month
F-8	No 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-9	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months

				
F-10	Egress Lighting	Directional signs are not provided where direction of the path of travel to an exit has changed. Manual on/off switch observed in the emergency light during inspection. Some Emergency light is observed burn out condition during the inspection.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel. Manual on/off switch shall be removed from the emergency light. Emergency light shall be replaced which burn out.	Within 3 months
F-11	Emergency Lighting ITM	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 2 months

F-12	Fire Detection & Alarm ITM	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72	Within 1 month (after installation)
F-13	Fire Detection and Alarm System	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit the as-built design of fire alarm system to RSC in accordance with NFPA 72. Installation shall be as per the reviewed design with a listed Addressable Fire Alarm System.	Within 3 months
 				
F-14	Fire-Extinguisher System	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and ACCORD standards.	Within 2 months