

FIRE SAFETY INSPECTION REPORT

Texpro Eco Apparel Ltd.

Factory ID: 24435

89/13, Ward-1, Block-C, Birulia Savar Road, Kaliakoir, Savar, Dhaka

23°51'06.6"N 90°17'30.5"E

Other Factories: None



Inspected by: Md. Rakibul Alam & Md. Sadid Rahman

Date: 27 July 2022

Summary

Texpro Eco Apparel Ltd. complex was surveyed for fire safety on 27 July 2022 by The RSC Inspection Team.

The purpose of the survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the RSC. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. The inspection did not include identification of minor deficiencies, which will be further addressed as part of follow-up inspections.

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 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
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F-1	Egress	Intermediate handrails are not provided at front exit stair.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.)	Within 3 months
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F-2	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month
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F-3	Fire Protection	The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review, modification (if and/or required) and approval/acceptance test.	Within 3 months
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F-4	Egress	East exit path is not even and smooth due to above ground piping of the fire protection system.	Level the exit discharge path to ensure smooth and safe evacuation without tripping hazard.	Within 1 month
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F-5	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. (Tested at ground floor)	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 1 month
F-6	Egress	Building stair designation sign, occupant load sign & floor level signs not provided at all the required locations.	Provide occupant load sign, stair & floor designation signs at required locations.	Within 1 month
F-7	Fire Rated Construction	Penetrations through floor /ceiling assemblies located in the fire-rated floor/ceiling assemblies (Utility and BBT)	Penetrations of fire resistive rated assemblies shall be protected with a listed through penetration fire stop system tested in accordance with ASTM E814 in accordance with RSC 4.7.	Within 3 months



F-8	Fire Rated Construction	N-W exit stair is not separated from ground floor exit lobby.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 1- hr fire-rated construction. Provide minimum 1- hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation.	Within 3 months
			Ensure that all fire doors are self-closing and 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 enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC standard 6.8.3.1.	



F-9	Egress	Fire evacuation maps are not posted at the entrance of the exits.	Fire evacuation maps shall be posted at the entrance to each exits and exit stairs.	Within 1 month
F-10	Fire Rated Construction	The exit discharge path serving the S-E exit is less than 10 ft wide and is not separated from the building Interior also not separated from storage	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft, to provide a minimum 1-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 4 months



F-11	Fire Rated Construction	Electrical cable channel penetration is located at exit stair enclosure wall.	Rearrange/reconfigure the electric channel in a way that it does not penetrate stair enclosures wall. Seal all penetrations in wall and floor/ceiling assemblies to maintain the required fire separation.	Within 3 months
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F-12 Fire Rated Construction

Proper certification was not available for fire rated doors installed in the factory on each floor for both exit stairs.

Provide proper certifications for installed fire doors to the RSC inspector for approval. If not available or certification not approved, install new, properly certified fire rated doors in accordance with RSC Technical Guidelines (Standard).

Within 3 months

F-13 Egress

No stair landings are provided at roof top.

Provide stair landing on both sides of doors used in the means of egress as per RSC 6.8.5 and 6.9.2.2.

Within 1 month

