

FIRE SAFETY INSPECTION REPORT

AURUM SWEATER LIMITED

ACCORD ID: 12120

**ADDRESS: 249/1, Teli Para, Gazipur Chowrasta, Gazipur.
23.996443, 90.382593**

Other Factories: None



**Inspected By: Shabbir Hossain & Pantha Pallob Das
Date: 06 July, 2017**

Fire Safety Inspection Report

Factory Name: Aurum Sweater Limited

Introduction:

Aurum Sweater Limited complex was surveyed for fire safety on 06/07/2017 by The Accord 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 Accord. 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.

Limitations

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The Accord cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.



General Factory Information

Factory Building name(s): 6 storied RCC building.

Factory Address: 249/1, Teli Para, Gazipur Chowrasta, Gazipur.

Points of contact:

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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 Accord for approval.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The compressor room is not fire separated with fire rated construction barrier or assemblies. Location: Ground Floor (Adjacent to egress court in west side of main building).	Separate the compressor room by a minimum 1-hr fire-rated construction with 0.75-hr fire rated opening protective assemblies like fire rated door. When located to the exterior of a building by at least 3m (10 ft.) distance from surroundings then fire rated construction barrier is not mandatory.	Within 3 months
				



F-2	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction. Location: Yarn Warehouse on 6th floor, finished goods store and wastage store on ground floor.	Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction.	Within 3 months
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F-3	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire rated construction. Location: Most of the floors of the building.	Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²) - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²). Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
 				



F-4	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2- hr. fire resistance rating for buildings 4 or more stories. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction for building with 3 or fewer stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories. Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer. Ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.	Within 3 months
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F-5	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies. Location: Electrical and Sanitary riser on every floor.	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.	Within 1 months
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F-6	Fire Rated Construction	The exit discharge path/egress court for south-east, south-west and north-east stairs are less than 10 ft. wide but not separated from the building interior.	a. Separate the exit passageway (ceiling, floor, wall etc.) by 2- hr. fire-resistance rated construction and shall terminate at an exit discharge. b. 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 2-hr fire separation.	Within 3 months
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F-7	Fire rated construction	Dining found on 5th floor of the building but not fire separated by fire rated construction barrier. Location: 6th Floor.	Separate the dining room by minimum 2-hr fire rated construction barrier having direct access to required exit stairs. Sealed and/or protect all opening to maintain the required fire separations.	Within 3 months
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F-8	Egress	Non-compliant exit door (sliding) provided in washing section on ground floor .	Replace all collapsible/sliding/shutter type doors & gates by the side-hinged swinging type doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-9	Egress	Non-compliant locking features are provided at building exits on ground floor. All doors and gates were found open and unlocked during inspection.	1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.	Immediate
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F-10	Egress	Electrical Distribution Board were located inside of exit stair on every floors.	Relocate electrical DB from stair enclosure.	Immediate
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F-11	Egress	Building did not have stair designation and occupant load signage as per ACCORD Standard.	Provide floor designation, stair designation and occupant load signage at required locations as per ACCORD Standard.	Within 1 month
F-12	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes and at exit stairs on all floors.	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-13	Egress Lighting	Exit sign not provided at every exit and other required location.	Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month
F-14	Egress Lighting	Manual on-off switch is provided for emergency lighting / exit signage units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month



F-15	Fire Detection and Alarm System	The fire detection and alarm system installation work is not completed as per NFPA-72.	Install the fire detection and alarm system with a listed addressable fire alarm system in accordance with NFPA 72. Design shall be submitted to ACCORD Chief Safety Inspector for review prior to installation of the system.	Design within 4 months and installation within 9 months.
				



F-16	Fire Detection and Alarm System (ITM).	Inspection, testing and maintenance (ITM) for the fire detection and alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection and alarm system and keep written records on-site, in accordance with NFPA 72.	Within 03 months (After complete installation)
F-17	Fire Protection System	The building is 6 storied with non-rated construction where automatic sprinkler system protection is mandatory for entire building. Note: Sprinkler system is installed for entire building but there are some installation errors. (Pump, head, zone control valve etc). All the required elements are not listed.	Modify the automatic sprinkler system along with required hose system throughout the building in accordance with NFPA 13,14, 20, 22 and 24.	Design within 4 months and installation within 9 months





F-18	Fire Protection System (ITM)	Inspection, testing and maintenance (ITM) of the sprinkler and standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-side, in accordance with NFPA 25.	Within 03 months (After complete installation)
F-19	Fire Protection System (ITM)	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 onsite, in accordance with NFPA 10.	Within 1 month

