

# FIRE SAFETY INSPECTION REPORT

**Factory Name: Comfit Composite Knit Ltd (new building)**

**ACCORD ID: 23238**

**ADDRESS: Gorai, Mirzapur, Tangail**

**Other Factories: Comfit Composite Knit Ltd (ID: 9479), Comfit Composite Knit Ltd (extension) (ID: 12494)**



**Inspected By: Md. Jobaid Ul Islam**

**Date: 04/06/2018**

## 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
1	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. 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





2	Fire Rated Construction	Elevator shaft is not separated by proper fire rated construction (openings, non-rated doors, penetrations)	Provide a minimum 2-hr fire rated elevator shaft to separate it from each floor. Seal and/or protect all openings to maintain fire separations	Within 3 months
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3	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed.	<p>Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating.</p> <p>Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.</p>	Within 3 months
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4	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas (specify the occupancy/area, location and construction materials of room).	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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5	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy (specify the occupancy/area, location)	<p>Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> <li>1. General Condition: Maximum height of 2.4m and maximum area of 23m<sup>2</sup>. Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</li> <li>2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup>. Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</li> </ol> <p>or</p> <ol style="list-style-type: none"> <li>3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.</li> </ol>	Within 3 months
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6	Egress	Handrails are not provided in both side of the exit stairs	Provide handrails on both side of exit stair having a minimum height 34 in.	Within 3 months
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7	Egress	Fire evacuation maps is not posted at the entrance of all exit stair.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 3 months
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9	Egress	Storage was located in the exit stair.	Remove all storage from exit stairs.	Immediately
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10	Egress	The egress path along means of egress has interrupted by obstruction/storage.	Means of egress shall be maintained continuously free and clear of all obstructions/storage.	Immediately
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11	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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12	Fire Protection	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 or as per Accord standard.	Within 3 months
13	Fire Protection	The existing high-rise building with an occupiable floor greater than 23 m (75 ft) above the finished grade is not protected with an approved automatic sprinkler system. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection.	Provide an automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months



14	Fire Protection	Portable fire extinguishers are not provided.	Provide Portable fire extinguisher throughout all new and existing facilities in accordance with BNBC Part 4 Section 4.10.	Within 3 months
15	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 provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 3 months





16	Egress Lighting	Exit sign not provided at exit.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month
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17	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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