

FIRE SAFETY INSPECTION REPORT

**SAIHAM KNIT COMPOSITE LTD.
SAIHAM NAGAR, NOYAPARA, MADHABPUR,
HOBIGONJ**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

August 13, 2014

SUMMARY

Saiham Knit Composite Ltd. was surveyed for fire safety on 13-08-2014 by Hughes Associates, Inc. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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.

Tables 1 - 2 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. Findings And Recommendations - Main shed.

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Chemical storage rooms are not separated by fire-rated construction (openings and non-rated doors).	Separate the hazardous materials or flammable liquid storage room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
 				
F-2	Fire Rated Construction	Rooms used for combustible storage in the building are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months



F-3	Egress	Egress doors and gates with locking features are provided at building exits and along egress routes.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-4	Egress	Collapsible gates and sliding doors are provided at building exits and along egress routes.	Replace all gates and sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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F-5	Egress	Dead-end aisles exceed 30 m. in front of female toilet.	Reconfigure the egress arrangement to reduce the maximum dead-end distance to not more than 30 m.	Within 3 months
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F-6	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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F-7	Fire Protection	Activation of the fire alarm system by a manual fire alarm station provides automatic occupant notification only on each section (area) of alarm and not throughout the building.	Configure the fire alarm system to initiate automatic occupant notification in the building to facilitate whole-building evacuation upon any manual fire alarm station activation.	Within 1 months
F-8	Fire Protection	Inspection, testing, and maintenance of 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 3 months
F-9	Fire Protection	The fire alarm system does not appear to provide adequate audible notification coverage for the dyeing, storage rooms and office areas.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 6 months

F-10	Fire Protection	The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Within 6 months
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F-11	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 accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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Table 2. Findings And Recommendations - Green shed.

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Area used for combustible storage in the cutting section is not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - 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.	Within 3 months



F-2	Egress	Egress doors with locking features are provided at main exits of east side.	Remove locking features from all egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-3	Egress	Sliding gates are provided at building exits.	Replace all gates along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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F-4	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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F-5	Fire Protection	Inspection, testing, and maintenance of 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 3 months
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F-6	Fire Protection	The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Within 6 months
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F-7	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 accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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