

INITIAL FIRE SAFETY INSPECTION REPORT

J.K. KNIT COMPOSITE LIMITED (EXTENSION 2)

RSC ID: 26395

GPS Coordinates: 23.89535, 90.30668

Address: 10/1, South Dariapur, Savar, Dhaka-1340

Other Factories: J.K. KNIT COMPOSITE LIMITED [ID: 9309]; J.K. KNIT COMPOSITE LIMITED (EXTENSION) [ID: 24173];
TANIMA KNIT COMPOSITE LTD (JK GROUP) [ID:10436]; JK Knit Composite Limited (Textile&Utility Buildings) [ID: 24425]



Inspected By: Md. Kawsar Rubaiat

Date: 06-Oct-2025

Fire Safety Inspection Report

J.K. KNIT COMPOSITE LIMITED (EXTENSION 2)

Introduction:

J.K. KNIT COMPOSITE LIMITED (EXTENSION 2) complex was surveyed for fire safety on **06-Oct-2025** 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.

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 RSC 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

There is one structure covered under this RSC ID 26395. The building is as follows:

SL No	Building Name	Building Construction Period	Approval Date & Authority	Occupied	Structure type	Construction Category
1	All Over Print (AOP) Shed [Single-Storied] Total Area: 24,867 Sq. ft	Sep 2023-Oct 2024	15-Mar-2023 Savar Pourasava	Nov-2024	Steel	New

Factory Address: 10/1, South Dariapur, Savar, Dhaka-1340

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 RSC for review.

Table-1: AOP Shed				
SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Means of Egress	The egress court serving the north-west exit is less than 10 ft wide and is not separated from the building interior and fabric container, which is not in accordance with section 6.17.2 of RSC Technical Guidelines (Standard)¹ V1.0. Location: AOP Shed.	Egress courts less than 3050 mm (10 ft) in width (as measured from the building and the adjacent structure) shall be provided with walls having a 1-hr fire resistance rated construction for a distance of 3050 mm (10 ft) above the floor of the court. 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.	Within 3 Months
				

F-02	Means of Egress	The exit ramp slope ratio does not comply with the RSC Technical Guidelines (Standard)¹ V1.0. Location: South exit ramp, AOP Shed.	New ramps shall not have a running slope greater than 1 in 12 (8 percent) as per RSC Technical Guidelines (Standard)¹ V1.0; 6.10.2	Within 3 Months
				

F-03	Means of Egress	Changes in level were found 25 in., where RSC Technical Guidelines (Standard)¹ V1.0 Section 6.9 or 6.10 don't meet. Location(s): N-W & S-W exit, AOP Shed. Non-compliance reason: Handrails are not provided.	Changes in level exceeding 535 mm (21 in.) in elevation shall meet the requirements for stairs in 6.9 or ramps in 6.10. The change in level shall be readily apparent and if not, marked with additional signage or floor markings.	Within 3 Months
				
F-04	Means of Egress	Fire evacuation maps are not posted at the entrance of all exits. Location(s): AOP Shed.	Fire evacuation maps shall be posted at the entrance to each exit stair in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 13.3.	Within 1 Month

F-05	Means of Egress	Updated occupant load signs are not found at the required locations. Location(s): AOP Shed.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.4.4.	Within 1 Month
F-06	Means of Egress	Exit signs are not provided at exit. Location(s): AOP Shed.	Lighted exit signs shall be placed at entrance to an exit. Additional directional 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 at all times. Exit Sign shall provide in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.	Within 1 Month
				

F-07	Means of Egress	Some lighted exit signs were two-sided, so that they indicated an exit where there were none. Location(s): AOP Shed.	Ensure that lighted exit signs are only visible from the side that directs people toward an exit path.	Within 1 Month
				

F-08	Means of Egress	Directional signs are not provided where the direction of the path of travel to an exit has changed. Location(s): AOP Shed	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.3.	Within 1 Month
				

F-09	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location(s): AOP shed.	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. Illumination on means of egress shall meet in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 10.12.2.	Within 3 Months
				

F-10	Means of Egress	Aisles were found missing in the printing material storage area . Location(s): AOP Shed.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 1 month
				
F-11	Means of Egress	The maximum travel distance exceeds 45 m (approximately 53 m), which does not meet the requirements of Section 6.13 of the RSC Technical Guidelines (Standard). Location(s): North-East side, AOP Shed.	Reconfigure the egress arrangement to meet 6.13 of RSC Technical Guidelines (Standard). Or, Provide additional exits so that the travel distance shall not exceed the maximum allowable limit.	Within 3 Months

F-12	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location(s): AOP Shed.	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45 m and maximum area of 23 m² and is separated by a minimum 3.0 m (10ft) from other storage areas and they do not exceed 10 percent of the building area of the story in which they occur. or, If sprinkler protected, Maximum height 12 ft (3.66 m) and maximum area of 1000 ft² (93 m²) and separated by a at least 25 ft (7.62 m) and does not constitute more than 10 percent of the building area or 4000 ft² (372 m²) of the sprinklered area, whichever is greater. or, Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 Months
				

F-13	Fire Rated Construction	The required fire separation distance for the AOP Shed does not comply with the requirements of BNBC 2020. Location(s): South & West Sides.	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Section 2.4.1.3.	Within 6 Months
 				

F-14	Fire Rated Construction	Rooms used for printing material storage are not separated from the surrounding production areas. Location(s): AOP Shed.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction in accordance with section 3.4.2.1.5 of RSC Technical Guideline (Standard).	Within 3 Months
 				

F-15	Inspection, Testing & Maintenance (Fire)	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. Smoking sign shall post in accordance with section 13.5 of RSC Technical Guideline (Standard)	Within 1 Month
F-16	Inspection, Testing & Maintenance (Fire)	Written housekeeping policy was not found, which is required as per RSC Technical Guideline (Standard) section 13.6.	Establish written corporate and plant policies on housekeeping to ensure scheduled cleaning for floor, wall, ceiling, supply and return air ventilation systems. Promptly reschedule skipped cleanings. Provide a documented line of authority for authorizing a cleaning delay and rescheduling. As a general rule the maximum tolerable deposit thickness for loose fluffy lint is 13 mm (½ in.) over a maximum of 46.5 m² (500 ft²). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅛ in.).	Within 1 Month

F-17	Inspection, Testing & Maintenance (Fire)	Hot work has been observed without maintaining permit system & hot work policy was not being maintained properly.	A hot-work permit system in accordance with NFPA 51B shall be provided for any construction in an occupied facility & shall maintain properly. Fire watch personnel shall not be assigned other duties.	Within 1 Month
				

F-18	Fire Alarm & Detection System (FADS)	The fire alarm system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards. Location(s): All sheds.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72 to meet section 5.7.3 of RSC Technical Guideline (Standard) Submit the proposed fire alarm system design to RSC for review. Once the design is reviewed, install and modify the fire detection and alarm system throughout the building in accordance with review comments, RSC/ RSC Technical Guidelines (Standard), and NFPA 72. After installation, the owner shall conduct internal testing and commissioning, and then contact the RSC for witness of final acceptance testing.	Design within 2 month and modification/ installation with 4 months
				

F-19	Inspection, Testing & Maintenance (Fire)	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 and RSC Technical Guidelines (Standard) ¹ V1.0.	Within 1 Month after installation.
F-20	Inspection, Testing & Maintenance (Fire)	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 RSC Technical Guidelines (Standard) ¹ V1.0.	Within 1 Month
F-21	Inspection, Testing & Maintenance (Fire)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with the RSC Technical Guidelines (Standard) ¹ V1.0.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with the RSC Technical Guidelines (Standard) ¹ V1.0. Keep written records on-site.	Within 1 Month