News Release

February 27, 2026

Nippon Electric Glass Co., Ltd.

NEG Fire-rated Glass “FireLite®” Series Adopted at NEWoMan Takanawa

—Achieving Fire Protection and Safety Performance Required for Large, Open Spaces through Glass—

The FireLite® series of fire-rated glass manufactured by Nippon Electric Glass Co., Ltd. (Head Office: Otsu, Shiga, Japan; President: Akira Kishimoto; “NEG”) has been adopted at NEWoMan Takanawa, a large-scale complex that opened last autumn within TAKANAWA GATEWAY CITY, a major development project in the Takanawa area of Tokyo.

In large commercial facilities, there is an increasing demand for spatial designs that emphasize openness and circulation—particularly in expansive areas such as atriums and along primary pedestrian routes where large numbers of people pass through—while simultaneously achieving a high level of fire protection and disaster prevention performance.

Against this backdrop of evolving social needs, the adoption of glass building materials using FireLite® is increasing as a solution that achieves both a sense of openness and safety.



Entrance space in the North Area. Heat-resistant laminated glass using FireLite® was installed above the atrium.

NEWoMan Takanawa is a core facility of TAKANAWA GATEWAY CITY, directly connected to Takanawa Gateway Station. The total floor space of the South and North areas combined with the LUFTBAUM area is approximately 52,000 square meters. With the neighboring MIMURE facility scheduled to open this spring, the complex will become LUMINE’s※1 largest facility ever, totaling

approximately 60,000 square meters and housing about 200 shops.

※1 LUMINE Co., Ltd. operates 16 commercial facilities under the LUMINE and NEWoMan brands, primarily at major JR East terminal stations in the Tokyo metropolitan area, as well as two locations overseas.

■ Background of Adoption

NEWoMan Takanawa is the first facility to lead JR East's urban development strategy for the Greater Shinagawa Area. Looking ahead to a rich and fulfilling lifestyle that will continue for next 100 years, it goes beyond the framework of a commercial facility and is planned from the perspective of "creating a town."

Inside the building, designs emphasizing visual openness and circulation are incorporated in various areas, such as the atrium space surrounding the escalators connecting floors two through five, and the entrance. For such vertically connected, large-scale spaces, heat-resistant laminated glass, made using our FireLite® bonded with a special resin to enhance impact safety, was selected as a glass building material that meets the required fire protection and safety performance.

■Main Areas of Application

- North Area atrium (continuous windows above the entrance) (Photo left)
- North Area main circulation routes, around escalators spanning floors 2 to 5 (Photo right)



Heat-resistant laminated glass windows convey the atmosphere of the lower floors while ensuring clear visibility and safety.



Heat-resistant laminated glass transparently partitions the space, maintaining visual continuity.

■About "Heat-Resistant Laminated Glass" using FireLite®

This high-performance glass combines FireLite®, the only glass for use in Japan's specific fire protection equipment and fire protection equipment. It withstands high temperatures during a fire and does not break even under rapid cooling caused by water discharge during firefighting, with a special resin interlayer that enhances impact safety.

Unlike wired glass, it provides clear visibility, contributing both a sense of openness and peace of

mind to architectural spaces.
The latest product in the series, FireLite Plus® Neo, has been adopted in locations used by large numbers of people, such as railway stations, public facilities, and schools.

■Project Information

Building Name: NEWoMan Takanawa
Operator: LUMINE Co., Ltd.
Architectural Design & Construction Supervision:
Shinagawa Development Project (Phase I) Design Joint Venture
(JR East Design Corporation, JR East Consultants Company, NIHON SEKKEI, INC., NIKKEN SEKKEI LTD)
Interior Design & Design Supervision:
sinato, PRINT&BUILD (South & North Areas), MYU PLANNING (LUFTBAUM Area)
Interior Detailed Design & Construction Supervision:
Obayashi Corporation First-Class Registered Architect Office
Construction:
Obayashi Corporation (building & interiors), Nomura Co., Ltd. (interiors)

Our building materials PR magazine “KAN※2” No. 87, published today, features NEWoMan Takanawa along with numerous other case studies showcasing the adoption of the FireLite® series and other glass building materials.
※2 The magazine is only available in Japanese.

* FireLite® and FireLite Plus® are registered trademarks in the U.S.

[Company Profile]
Nippon Electric Glass Co., Ltd. is a world-class specialty glass manufacturer headquartered in Otsu City, Shiga Prefecture. Special glass that creates novel functionality is transformed into a variety of products, such as sheets, tubes, fibers, and powder, and is used in a wide range of fields, including semiconductors, displays, automobiles, electronic devices, medical care, and energy. The special glass developed using the technology and track record that we have honed over our 70-year history is highly regarded in a wide range of fields, from everyday life to cutting-edge industry.

Company name: Nippon Electric Glass Co., Ltd.
Representative: Akira Kishimoto, President
Head office location: 7-1, Seiran 2-chome, Otsu, Shiga 520-8639, Japan
Founded: December 1, 1949
Business details: Production and sale of special glass products; manufacture and sale of glassmaking machinery
URL: https://www.neg.co.jp/en/

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