

## High Performance Fluoride Film TEFKA<sup>®</sup> Adopted for CLT PARK HARUMI Pavilion Supervised by Architect Dr. Kengo Kuma



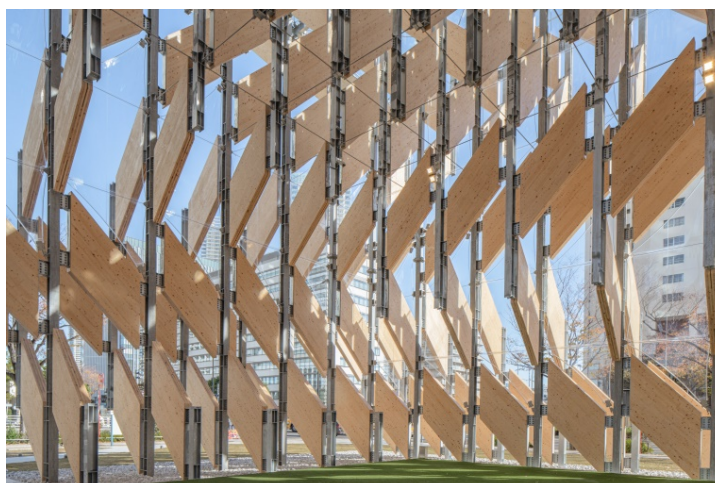
< CLT PARK HARUMI Pavilion has adopted TEFKA<sup>®</sup>. >

Denka Company Limited ((headquarters: Chuo-ku, Tokyo; president: Manabu Yamamoto; hereinafter “Denka”) hereby announces that TEFKA<sup>®</sup> high performance fluoride film has been adopted for use in the CLT PARK HARUMI Pavilion<sup>1</sup>, an event facility under the supervision of renowned architect Dr. Kengo Kuma. Denka has been working to extend applications of this film product to architectural membrane structures.

TEFKA<sup>®</sup> is a copolymer film made of ethylene and chloro-trifluoro-ethylene (ECTFE)<sup>2</sup> not only with high transparency and light transmissivity either equivalent to or more than glass but also superior weather resistance, flame retardancy, secondary processability, developed out of a long-term-accumulated Denka’s fluoride film production and processing technologies. It is the first of Denka’s products to be adopted for structures using cross-laminated timber (CLT).<sup>3</sup>

### Comment from Dr. Kengo Kuma

“TEFKA<sup>®</sup> is lighter than glass and so pliable as to be rolled to transport it. It is ideal material for relocation and reconstruction. It also has the perfect transparency we have sought.



< Inside the Pavilion: TEFKA<sup>®</sup> is used between CLT wall panels. >

Denka has managed to develop products and technologies that help achieve the Sustainable Development Goals (SDGs) in accordance with the *Denka Value-Up* management plan. Denka will contribute to creating safe and comfortable communities, providing TEFKA<sup>®</sup> and other high-performance films,

\*TEFKA is a registered trademark of Denka Company Limited.

<sup>1</sup> CLT PARK HARUMI Pavilion is the symbol of CLT PARK HARUMI that stands at the heart of the facility. It is a relaxation space with an artificial lawn that is usually open to public. In future, it will be leased to tenants organizing a diverse array of events.

< Overview of CLT PARK HARUMI >

Location: 3-2-15 Harumi, Chuo-ku, Tokyo, Japan

Purpose: Exhibition facility

Client (investor): Mitsubishi Estate Co., Ltd.

Architects: Kengo Kuma and Associates

Structural engineering and contractor for the membrane: TRA·K Co., Ltd.

For further details, please visit CLT PARK HARUMI's official website at <https://www.harumiclt.com/>.

<sup>2</sup> ECTFE, an ethylene and chlorotrifluoroethylene copolymer, is one of the fluoride resins.

<sup>3</sup> CLT is a wood-based material created by laminating and bonding wooden boards in a way in which their grains are orthogonally crossed.

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TEFKA



Denka  
Possibility of chemistry



KENGO KUMA  
& ASSOCIATES

「世界初のTEFKA®建築 The world's first TEFKA® architecture」

フッ素系膜構造用フィルムのTEFKA®は、耐候性や軽量性に加えガラス並の優れた透明性により、自然光を取り入れ明るく開放的な空間演出を可能とします。  
TEFKA®, a fluorine-based film for membrane structure, has not only weather resistance and light weight but also glass-like transparency, which allows for bright and open space effects by taking in natural light.

膜加工：covertex membranes(Shanghai)Co., Ltd. 施工：株式会社TRA・K