

FAERS 

BIPV NATURE

**Integrated Solar Panels
& Photovoltaic Glass
Manufacturing**

INTEGRATED SOLAR PANELS & PHOTOVOLTAIC GLASS MANUFACTURING

ZAKH Renewable Energy is an advanced technology and manufacturing company specializing in solar panels and photovoltaic glass solutions for hot and demanding climates.

Founded in 2017 as an R&D-driven organization, ZAKH developed its own photovoltaic technologies, encapsulation

systems, and functional solar glass through years of scientific research and applied engineering. This foundation allowed the company to move beyond conventional solar manufacturing toward fully integrated energy and architectural solutions.

**TODAY, ZAKH OPERATES
A FULL-SCALE
MANUFACTURING
FACILITY IN THE UNITED
ARAB EMIRATES (RAKEZ),
PRODUCING:**

- ⚡ HIGH-PERFORMANCE SOLAR PANELS OPTIMIZED FOR HIGH TEMPERATURES AND SAND RESISTANCE**
- ⚡ PHOTOVOLTAIC AND BIPV GLASS FOR FAÇADES, ROOFS, AND ARCHITECTURAL INTEGRATION**
- ⚡ MULTILAYER INSULATED SOLAR GLASS THAT REDUCES HEAT PENETRATION WHILE MAINTAINING NATURAL DAYLIGHT**
- ⚡ MODULAR GLASS SOLUTIONS COMBINING ENERGY GENERATION, THERMAL CONTROL, AND MODERN DESIGN**



Unlike traditional manufacturers, ZAKH combines PV technology, glass engineering, and production within a single industrial ecosystem. This enables the company to deliver customized, durable, and climate-optimized solutions for developers, architects, and infrastructure projects.

ZAKH Renewable Energy is not just a solar panel manufacturer — it is a solar and glass technology company creating the next generation of energy-efficient buildings.

EXSAMPLES



LIGHT BLUE



DARK BLUE



GOLD



YELLOW



ORANGE



LIGHT PURPLE



DARK PURPLE



ROSE RED



SILVER



GREEN

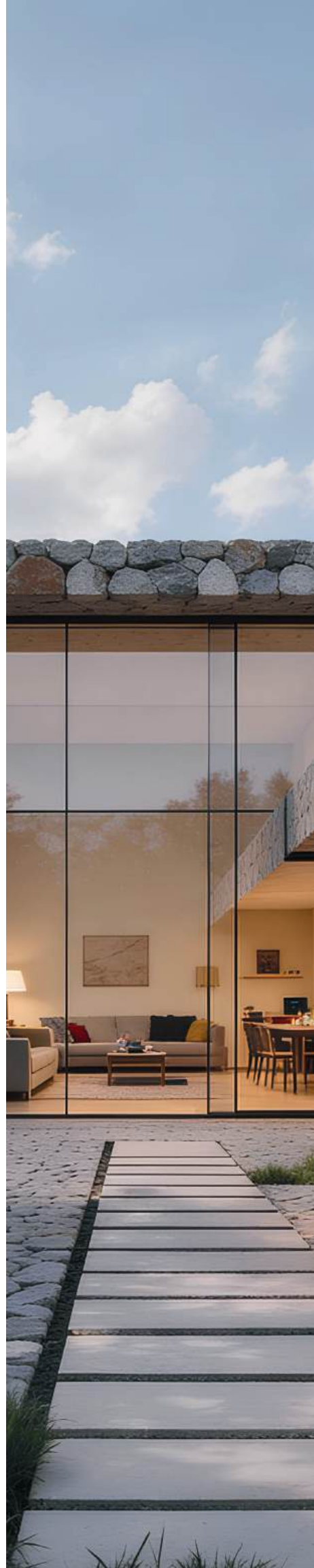


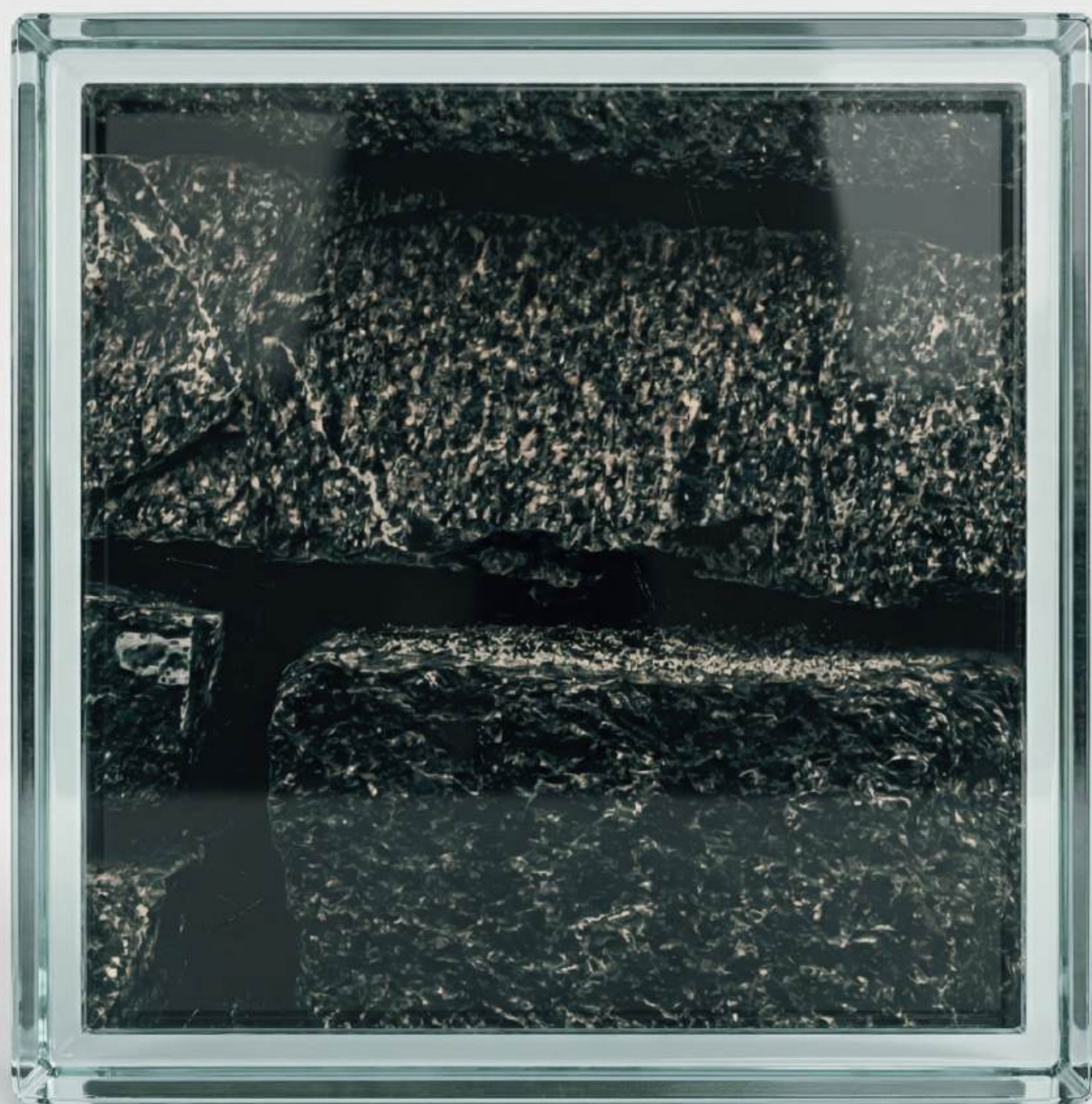
WHITE



GRAY

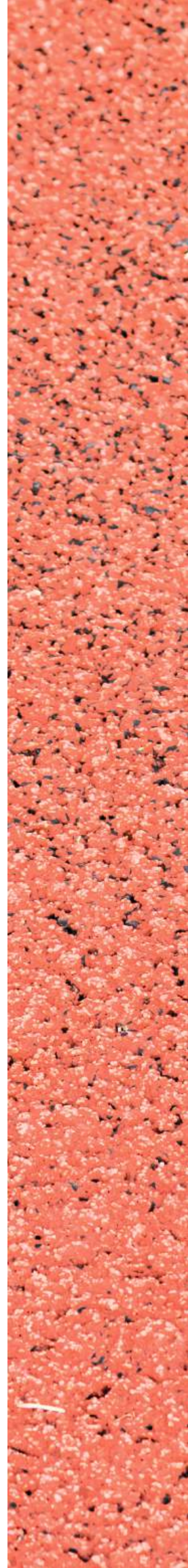






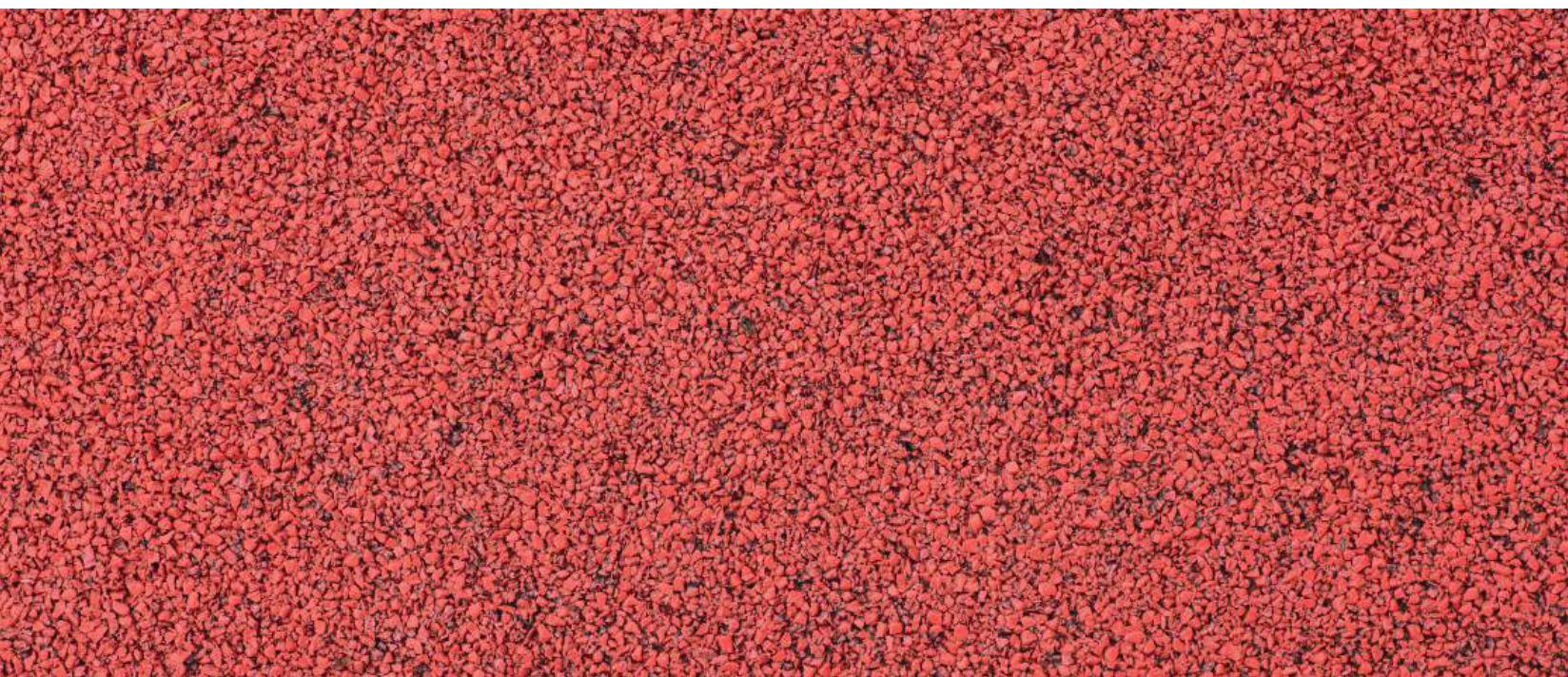
ST/01/01



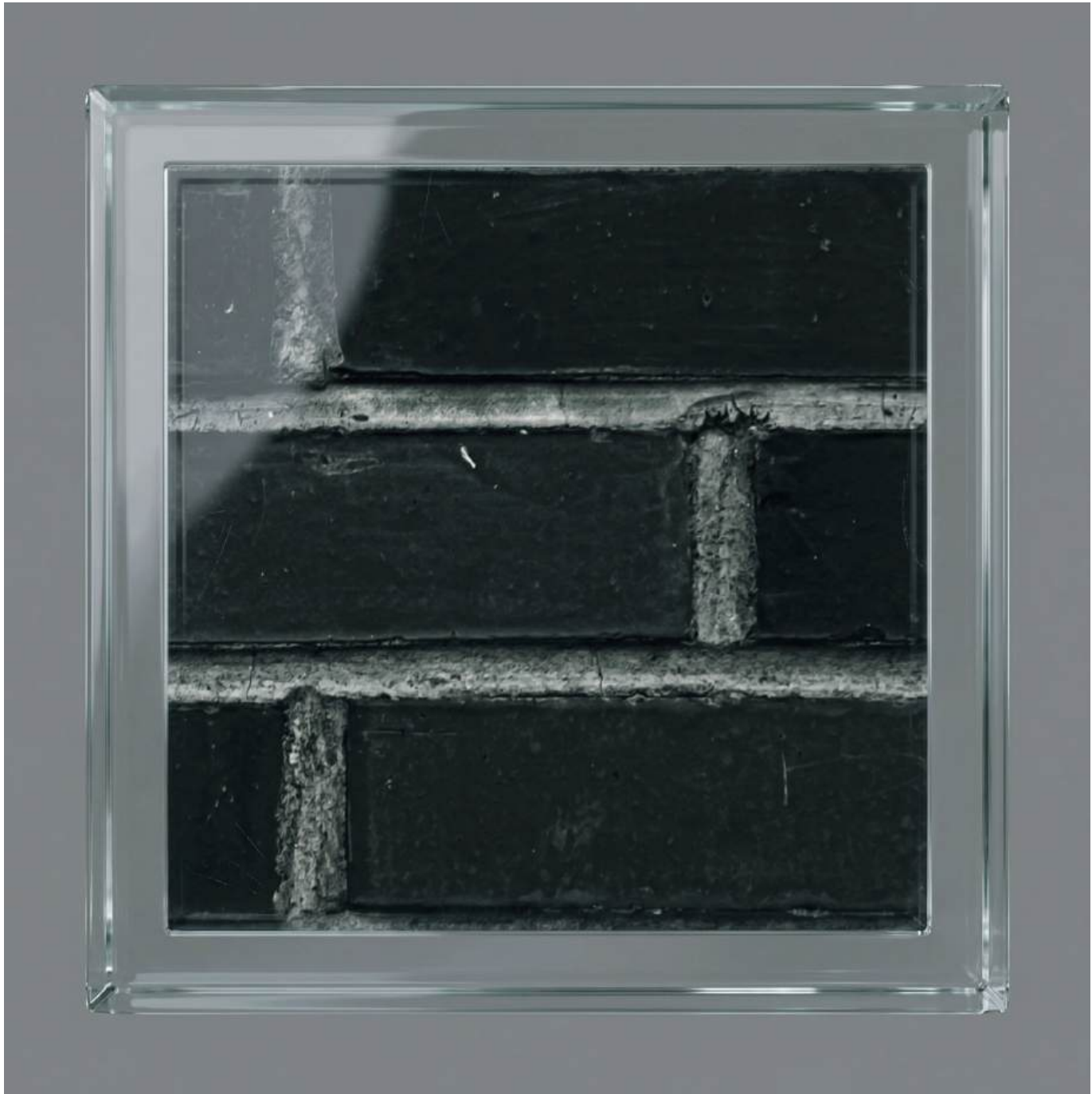




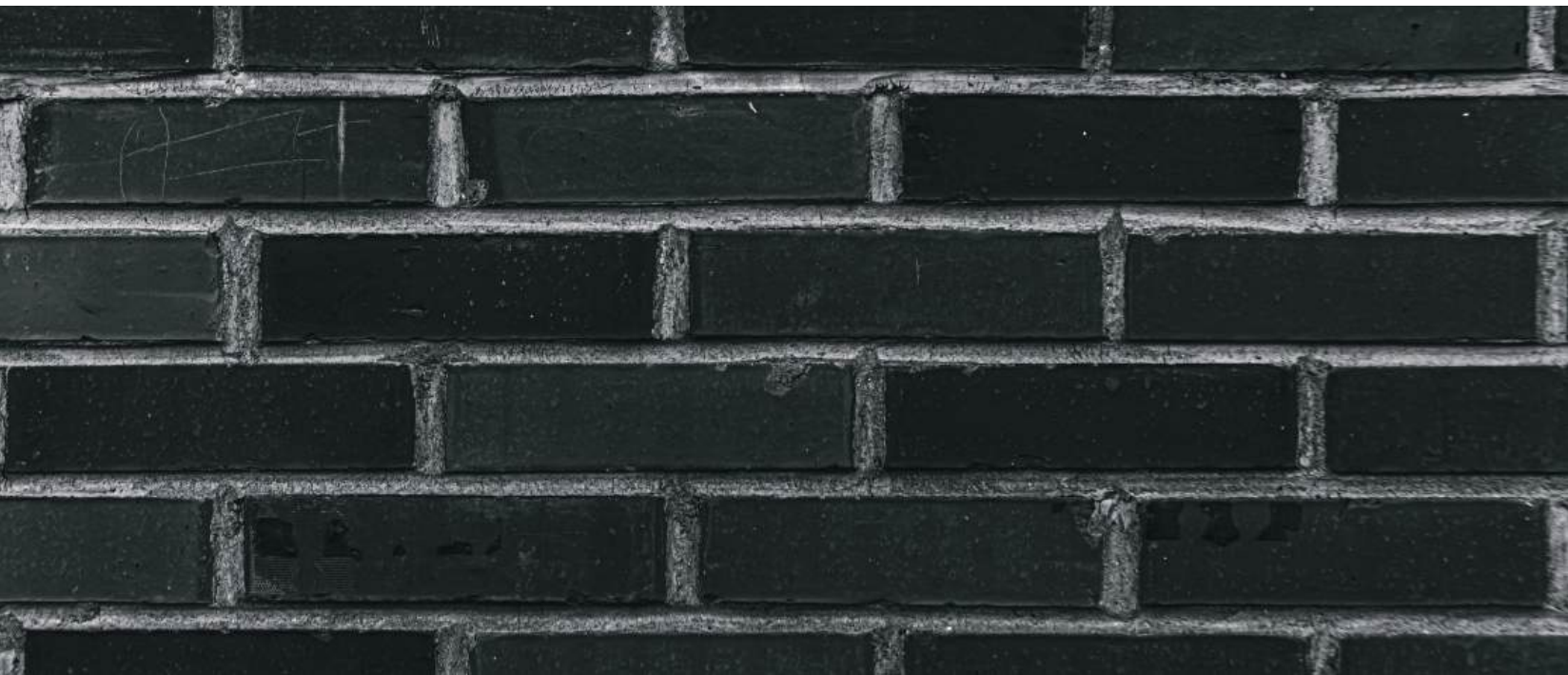
ST/01/02



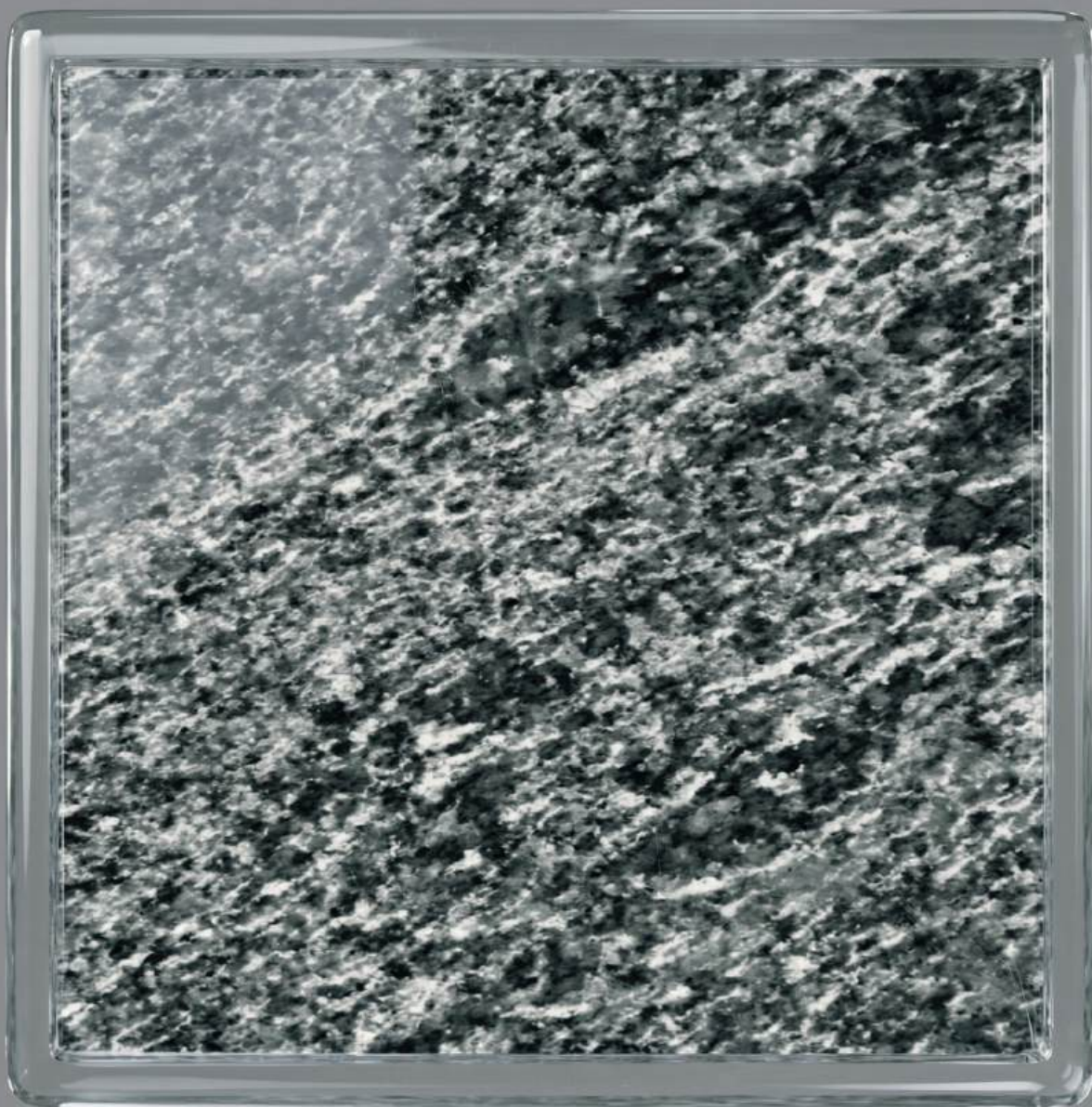




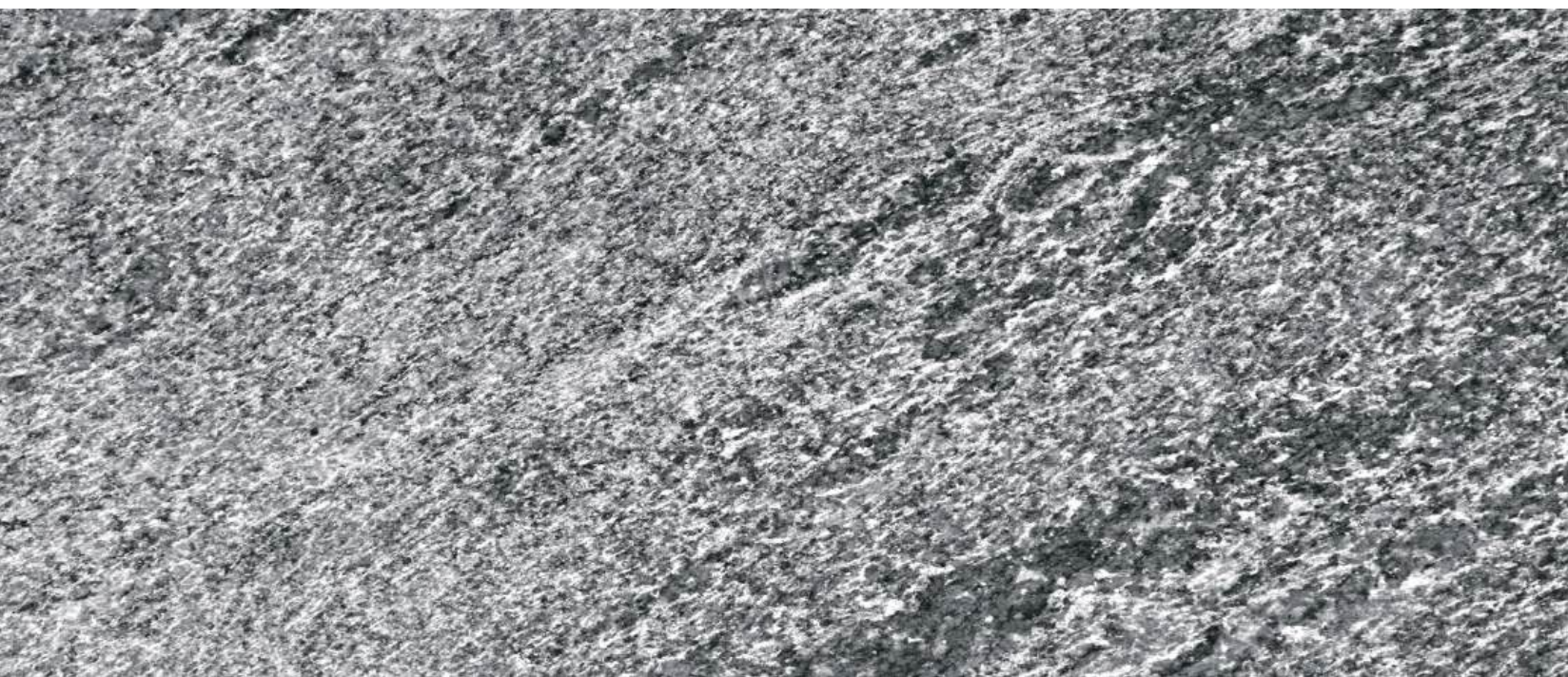
ST/01/03



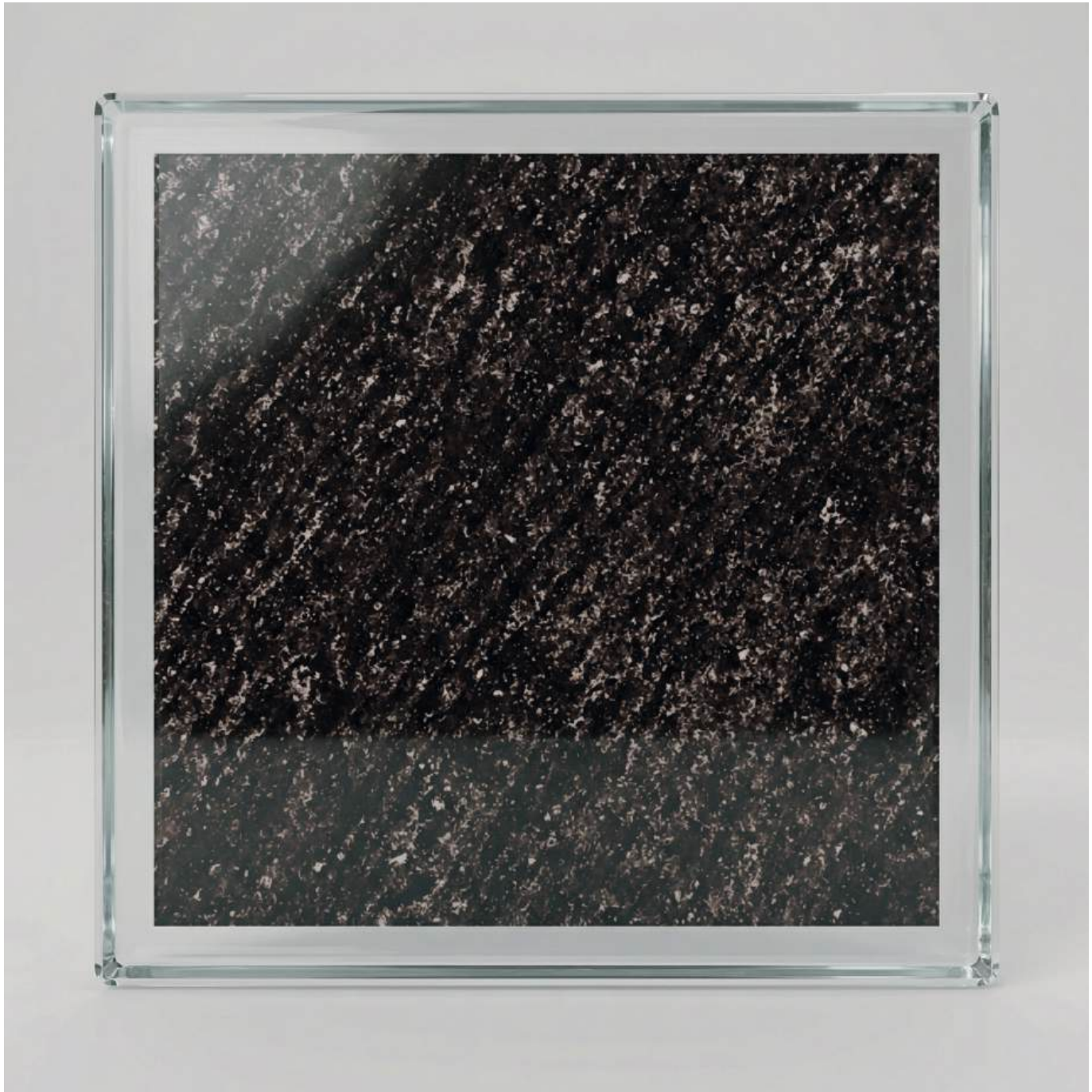




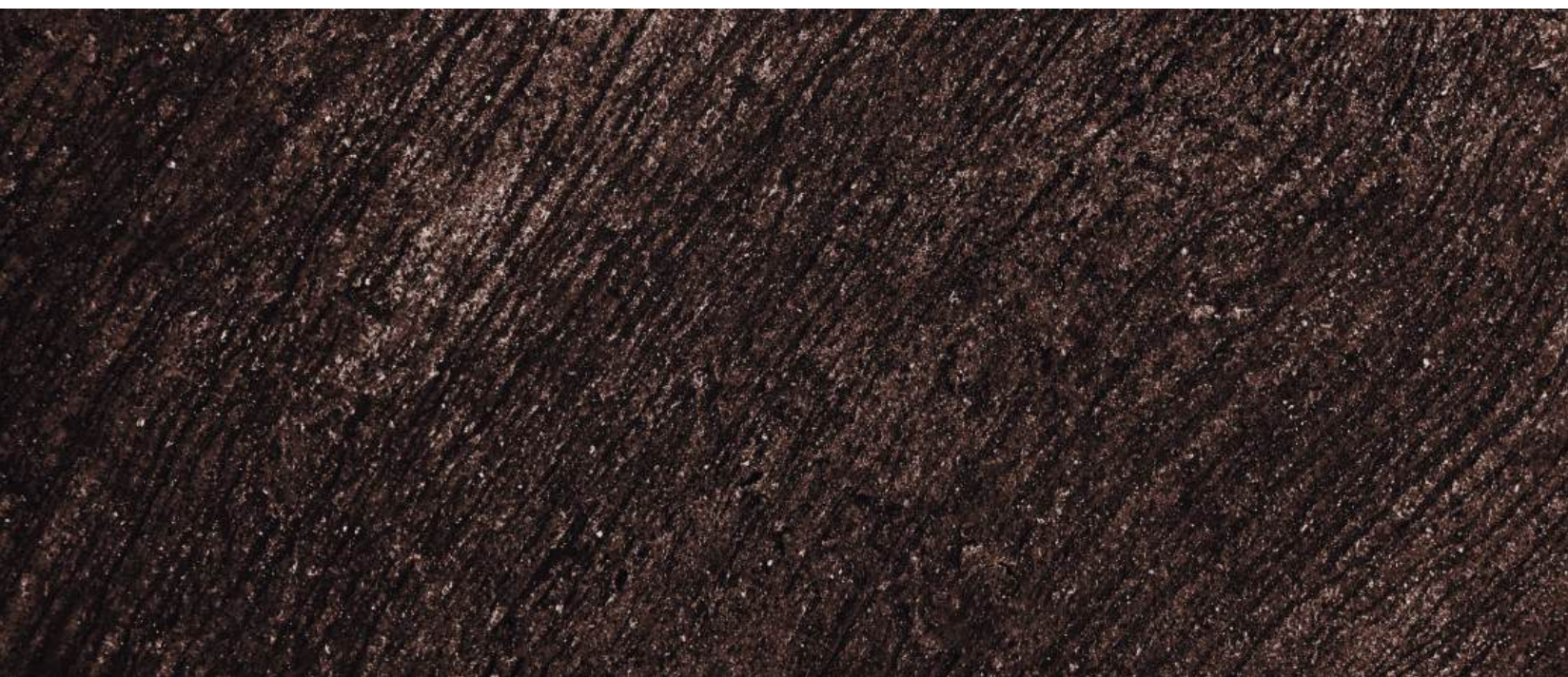
ST/01/04



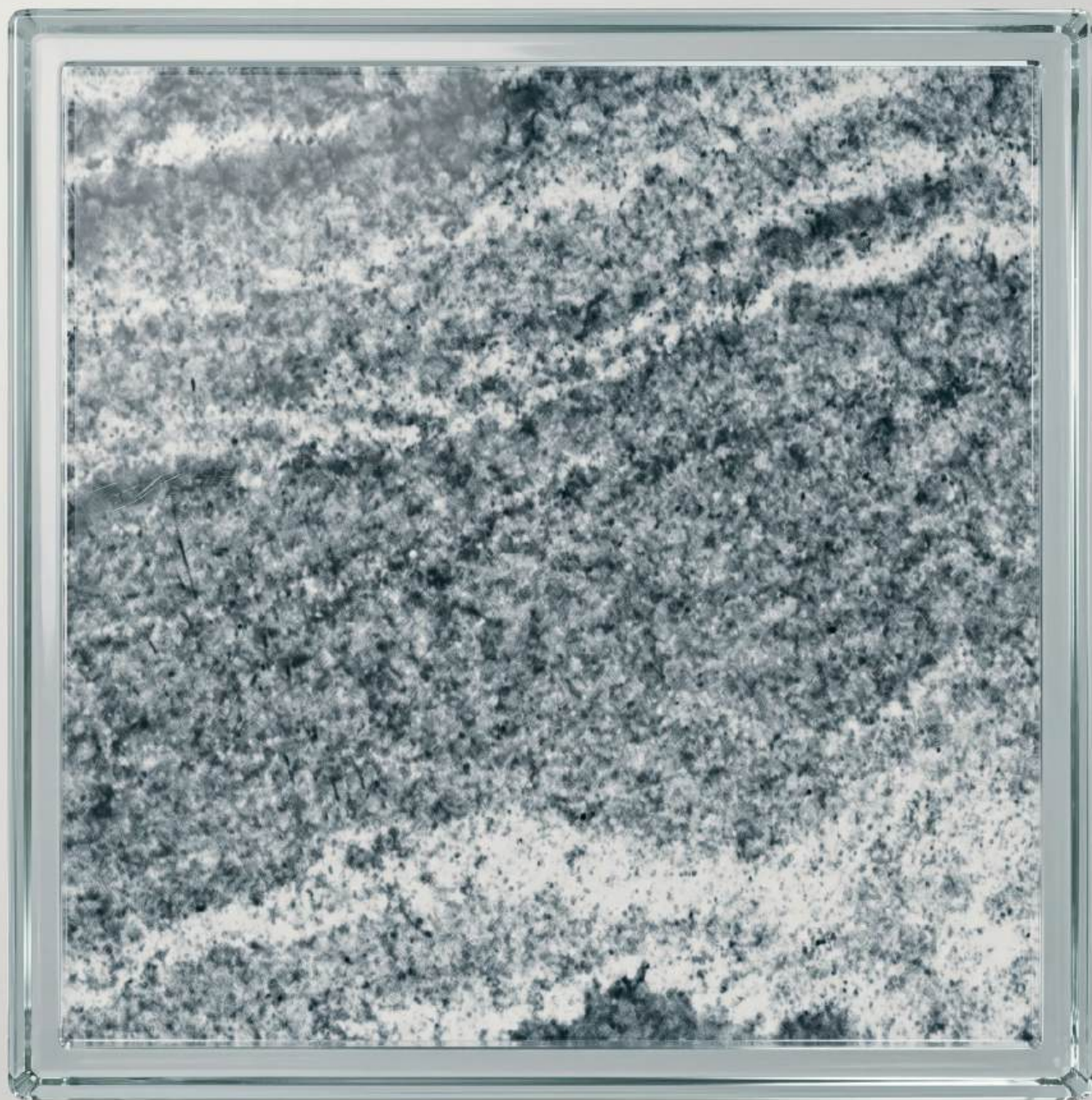




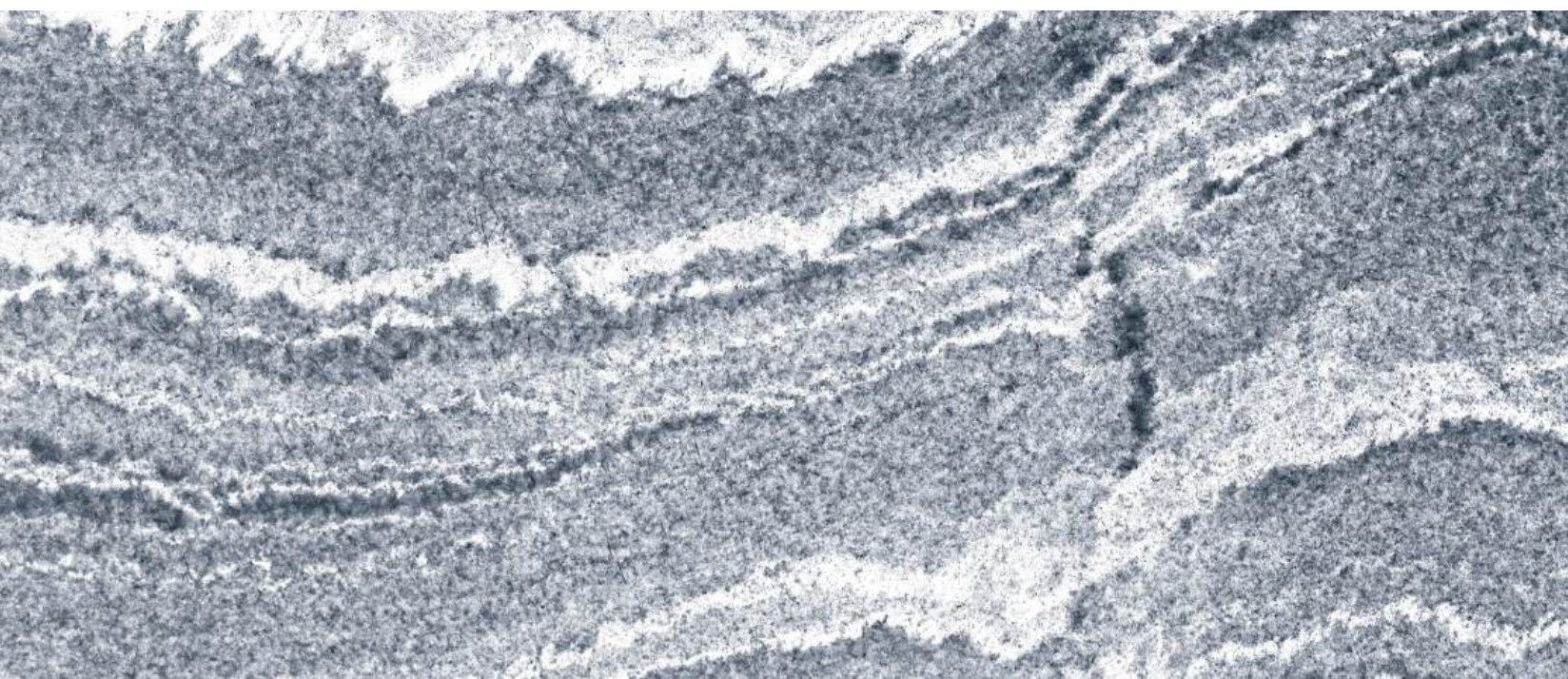
ST/01/05



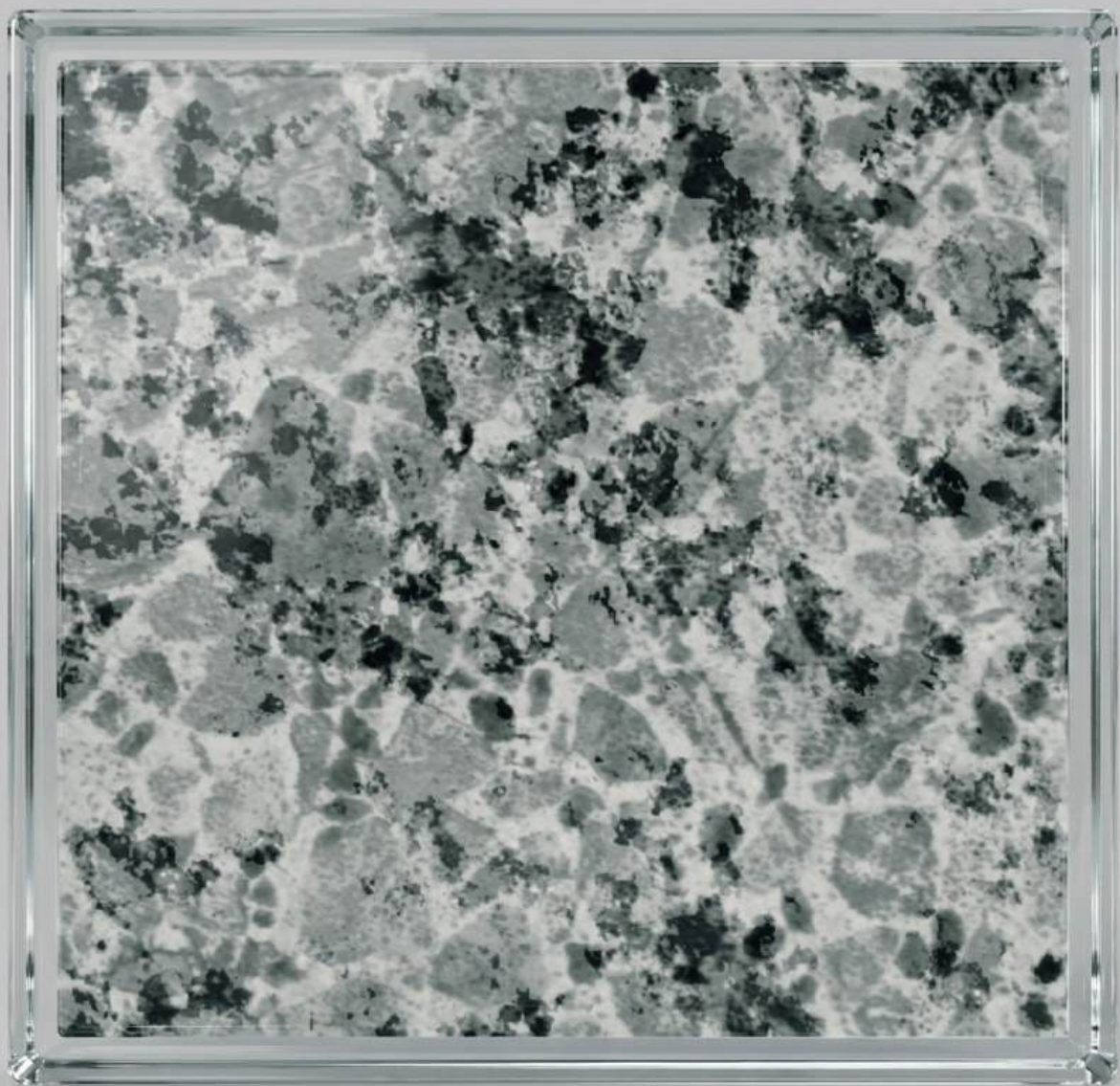




ST/01/06







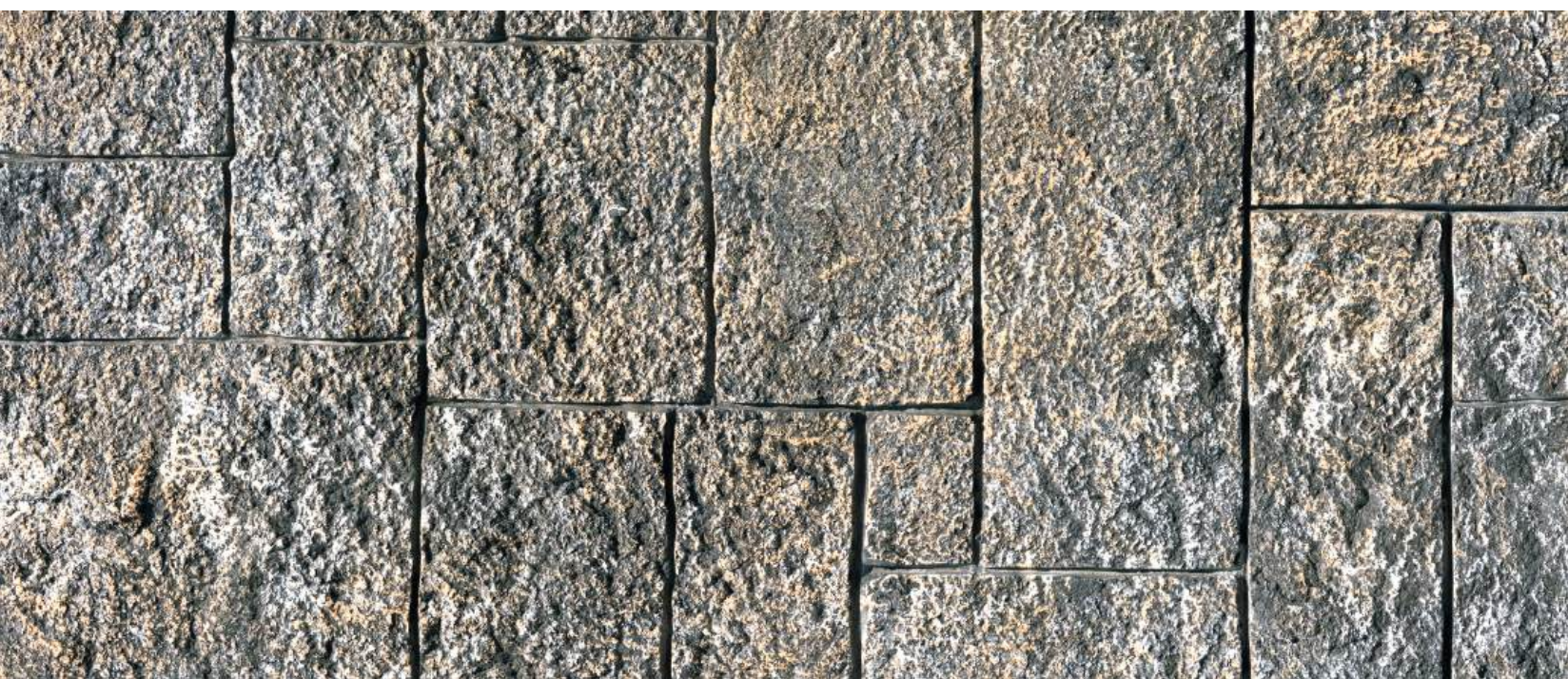
ST/01/07







ST/01/08

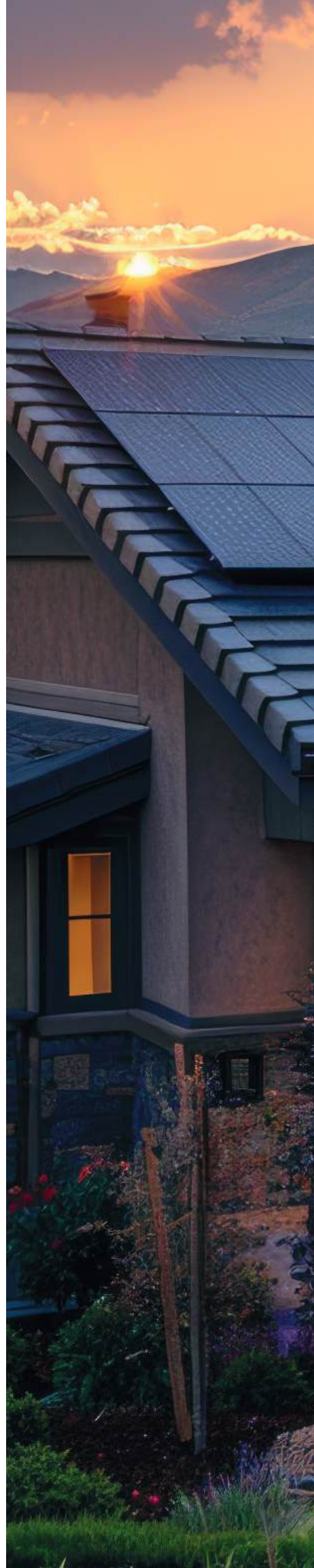


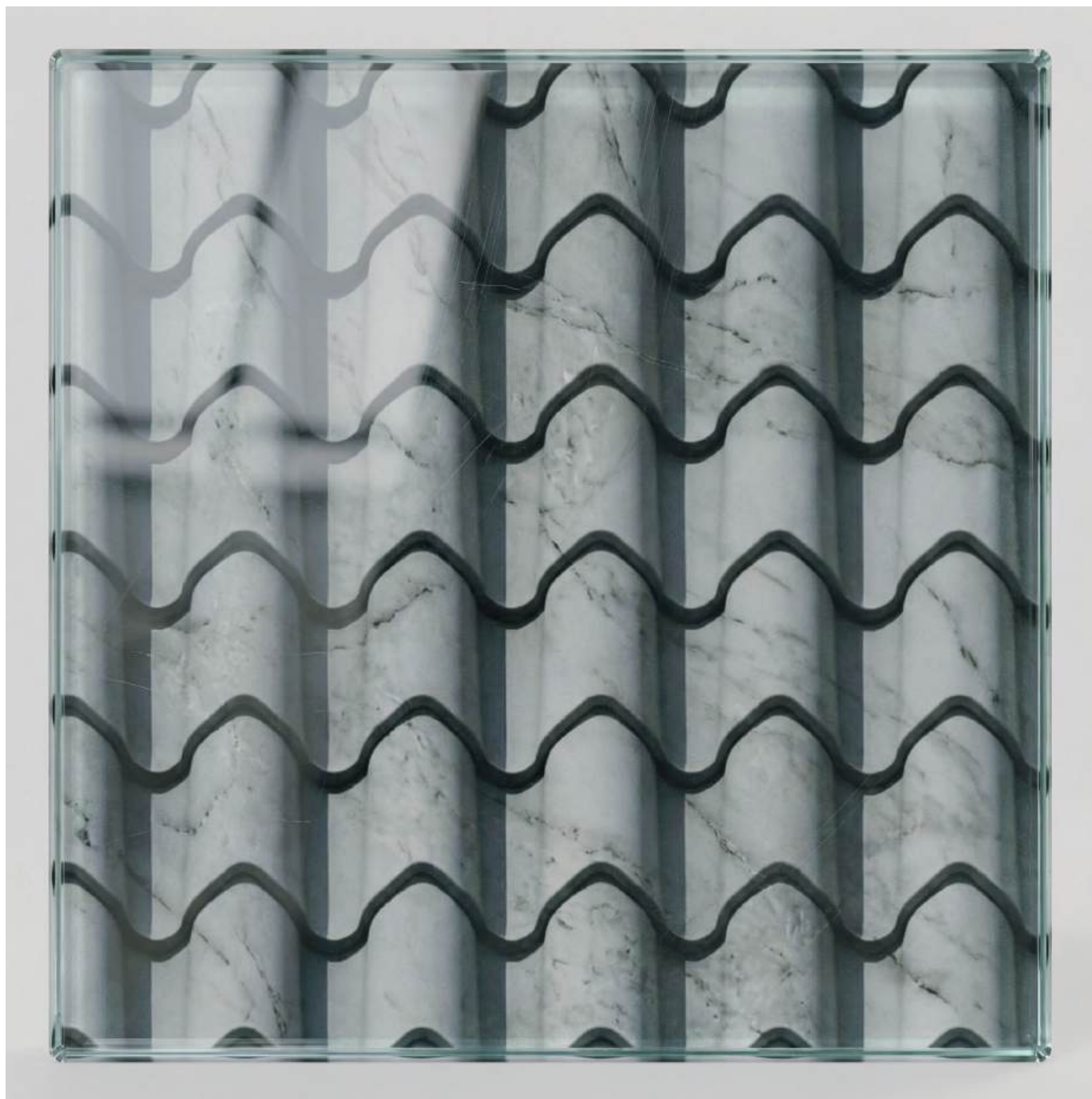




ST/01/09



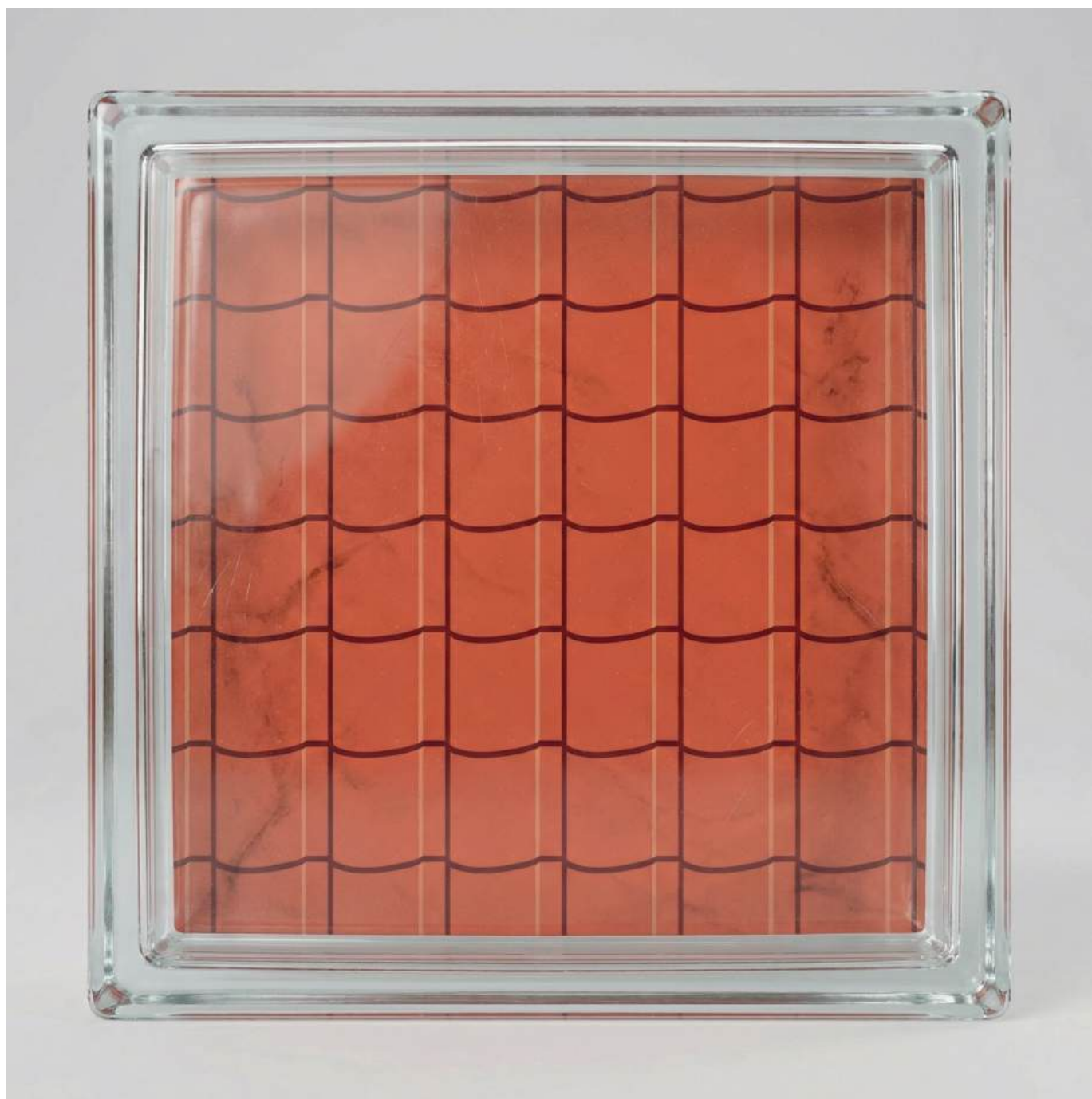




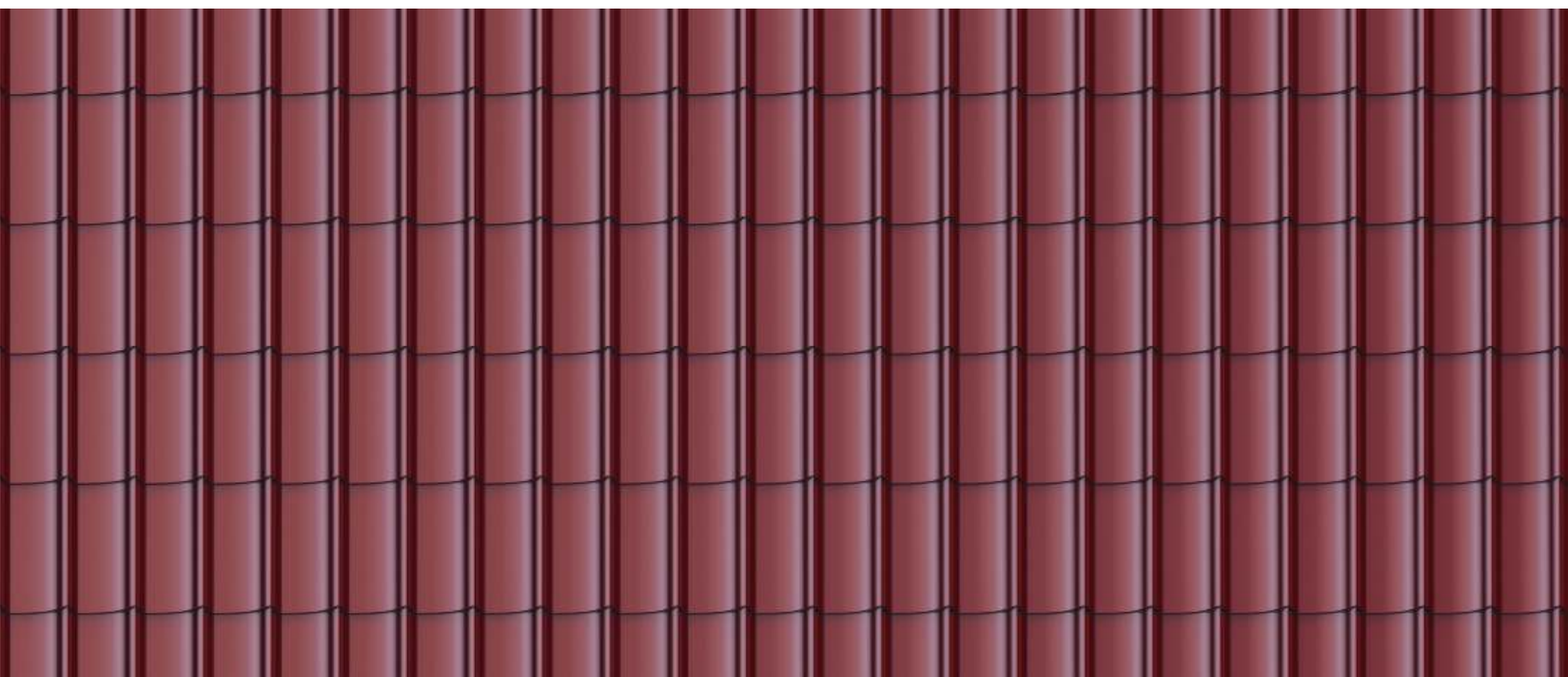
ST/01/10

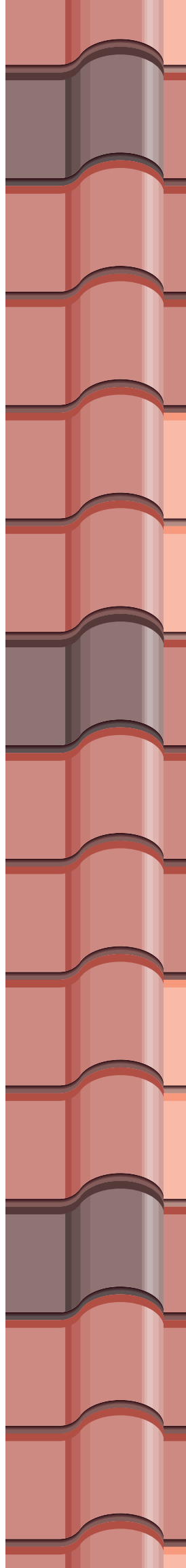






ST/01/11







ST/01/12

