

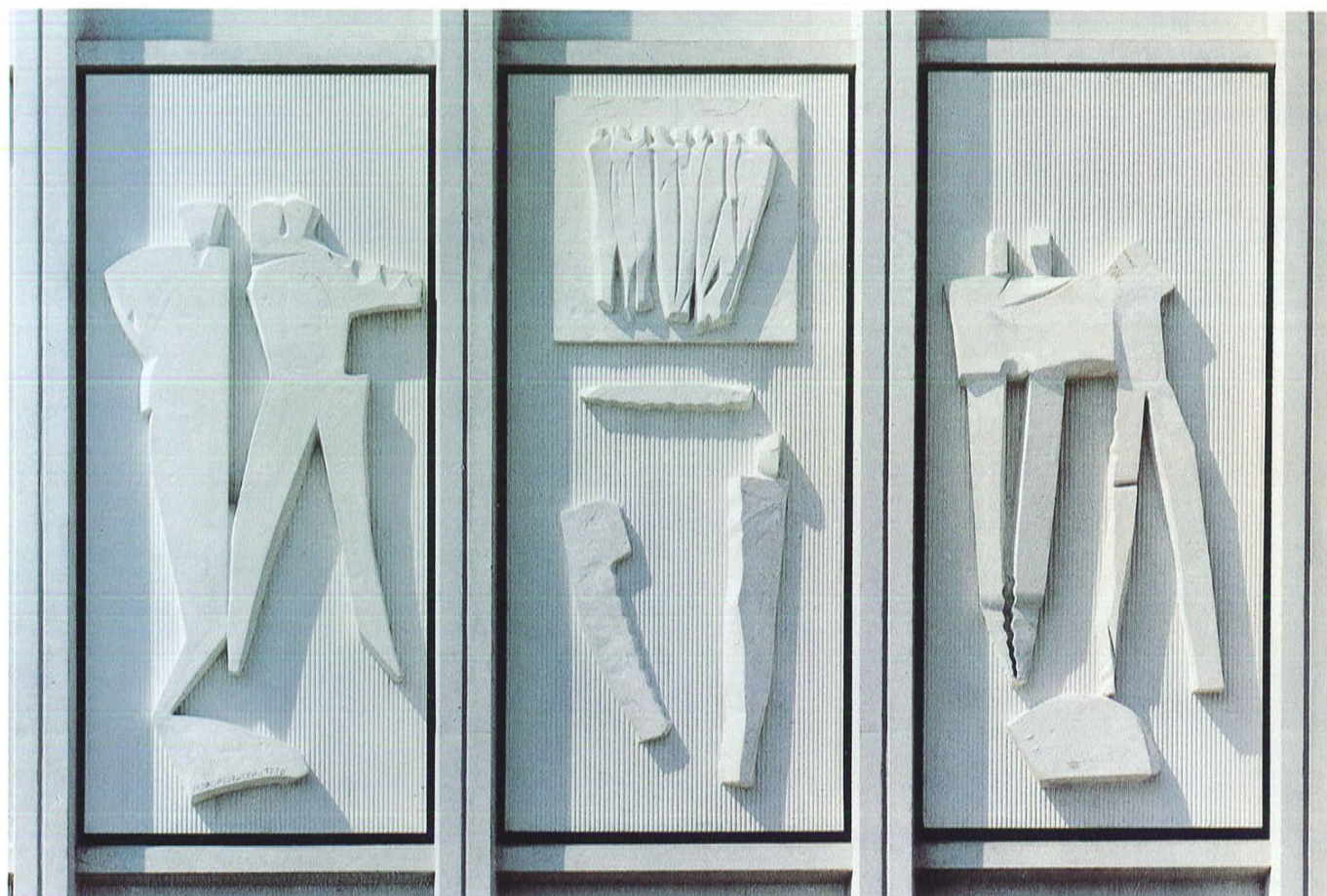
APPLICATION OF NEG ARG FIBRE

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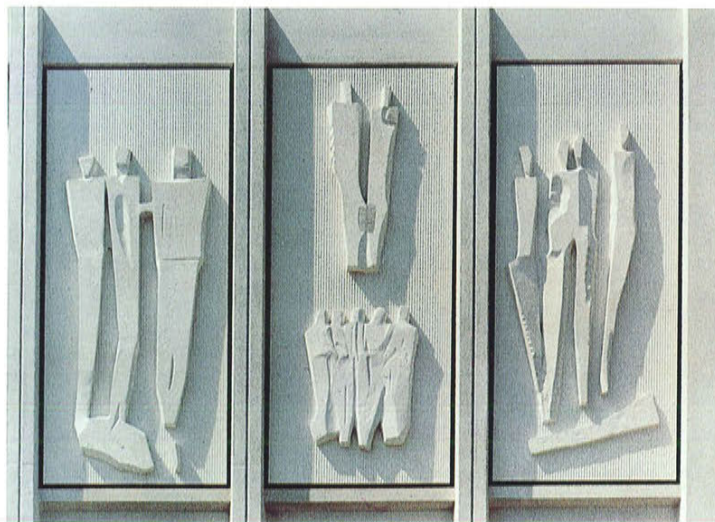
NEG ARG Fibre, manufactured by Nippon Electric Glass Co., Ltd., is used throughout the world as a reinforcement for cement composites, including asbestos replacement products.

Art in Architecture —in Glassfibre Reinforced Concrete



Glassfibre reinforced concrete is a modern material that offers architects completely new design possibilities. The Swiss artist Pedro Pedrazzini has created, as an artistic decoration for an industrial building, six reliefs on the theme of "People at Work".

In imitation of the construction materials of the building's facade — which is a reinforced concrete structure — and to utilize the available shaping possibilities, he chose glassfibre reinforced concrete. He was inspired by the favorable properties of this material — it can be shaped in almost any desired way, it can be fashioned with thin walls and it possesses outstanding surface quality — in creating this work.



Artistic Design: Pedro Pedrazzini, Larerterzzo
Piano (TI), Switzerland
Manufacture and Installation: StahlTon AG, Zurich

Negative master molds were made by means of a plastic molding compound from models prepared by the artist out of wood, plaster of paris and high-resistance foam. The manufacture of the reliefs, measuring 1.40 by 3.20 meters, was done at the prefabrication plant according to the glassfibre reinforced concrete injection procedure with the use of weakly pigmented white concrete. The glassfibre reinforced concrete shells, measuring about 15 mm in thickness, have a stiffening structure made of steel at the back, by which the reliefs are fastened to the facade.

With regard to the design, these works of art have a certain similarity to the suspended, rear-ventilated facade elements made of glassfibre reinforced concrete. There are also parallel features with the shape: just as in the case of the reliefs, the facade elements owe their existence to their shape, which the architect imparts to them when designing the face of the building.



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