



Pudong, Shanghai (People's Republic of China) Shanghai American School

RESISTANT CEMENTITIOUS FLOORS FOR STUDENTS FROM 44 COUNTRIES

The Shanghai American School for Children of Foreign Personnel (SAS) is the largest in China and one of the most prestigious international schools in Asia.

It was founded by the American Consulate on September the 17th, 1912, less than a year after the fall of the Qing Dynasty, the last imperial dynasty in China. It was attended by 38 students and located in Shanghai's Hongkou neighborhood, a district just north of the Bund that had long served as a popular home of American expats. In 1923, SAS opened a new campus location at 10 Hengshan Lu in a Victorian-style administration building.

In 1950, Shanghai closed to foreign-owned businesses and SAS students took a 30-year recess. In 1980 SAS was re-founded and a new space for it was completed on the grounds of the U.S. Consulate.

The 1990s saw a jaw-dropping building boom and, once again, both Shanghai and SAS were in lock-step. At SAS, the decade began with the school sharing space with the famous Shanghai Girls No. 3 School before outgrowing its facilities.

At the start of the new century, Shanghai American School had built not one home but two campuses, in Puxi and Pudong. Both have experienced major additions ever since. This growth echoed the expansion of Shang-

hai itself. Today the over 2,000 students attending the school come from 44 countries and regions, including kindergartens, elementary schools, junior high schools, and high schools.

109 years after the first school bell rang, Shanghai American School remains a reflection of both its American roots and Shanghai location.

New floors for the SAS campus in Pudong

SAS shares Shanghai's drive towards innovation, as seen by tech-forward learning spaces such as its maker spaces and design studios, and by Signature Programs such as the Innovation Institute.

To ensure the ideal conditions for education activities and the wellbeing of students, teaching staff and employees, the floors of several areas (offices, common rooms, classrooms) were recently renovated in the school campus in Pudong for a total surface area of 1000 m².

To guarantee abrasion-resistant floors and perfectly flat surfaces with a high aesthetic impact the ULTRATOP system was chosen. This system is particularly recommended for internal floors in industrial facilities (including areas used for storage), shopping centres, and restaurants as well as schools or areas subjected to intense foot traffic.



The system included the use of PRIMER SN, two-component fillerized epoxy primer, which was specifically formulated to carry out preliminary priming treatments on substrates before applying self-levelling cementitious mortars from the ULTRATOP range and epoxy and polyurethane resin systems from the MAPEFLOOR range. While still fresh, the layer of PRIMER SN was fully blinded with QUARTZ 1.2. Once the primer had hardened, the excess of quartz was removed and the surface was lightly sanded to eliminate loose residues of quartz sand.

ULTRATOP, ultra-fast setting, self-levelling mortar based on special hydraulic binders, was then applied on the surfaces, before finishing them with MAPEFLOOR FINISH 58 W, a two-component, aliphatic polyurethane coating product in water dispersion. MAPEFLOOR FINISH 58 W improves the surface resistance to wear and scratches while limiting the absorption of liquids.



Find out more
ULTRATOP

TECHNICAL DATA Shanghai American School (SAS), Pudong, Shanghai (PRC)

Period of renovation: 2017
Intervention by Mapei:
supplying products to lay
cementitious floors
Owner: SAS

Flooring contractor:

Shanghai Pingsheng
Engineering Technology
Co., Ltd
Mapei coordinator: Peter
Liu, Mapei Construction
Materials (Guangzhou) Co.
Ltd. (PRC)

MAPEI PRODUCTS

Preparing substrates:

Primer SN

Laying cementitious floors:

Ultratop, Mapefloor Finish 58 W

For further info on products
visit mapei.com mapei.com.cn

IN THE FACING PAGE.

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ABOVE. The cementitious floors were completed with the ULTRATOP system, which involved the use of PRIMER SN, ULTRATOP, and MAPEFLOOR FINISH 58 W.