



TS-NANO

TSN-22™

TS-Nano Inc. offers its innovative sealant TSN-22™ as a new nano-modified polymer sealant designed to seal concrete surfaces. TSN-22™ has superior flowability and very low viscosity, and thus can flow and penetrate concrete microcracks and pores to a depth of 5-8 mm. The sealed concrete surface becomes impermeable preventing any fluid (e.g., water) ingress or leaching. TSN-22™ is very durable against different exposure conditions, including low pH environments (e.g., sulfuric acids), and effectively seals concrete slabs in operational temperatures up to 100 °C. TSN-22™ stabilizes, seals, and protects concrete substrates and improve its bond strength to steel and composites. TSN-22™ is applied manually to flat concrete surfaces and penetrates under gravity, so it easy to apply. TSN-22™ has an application time of up to 60 minutes in high-temperature applications (up to 80 °C). A worker can typically apply about 200 square meters of concrete per hour. TS-Nano, an ESG company in the US, has developed, patented, and is producing TSN-22™.