



TS-NANO

TSN-21TM

TS-Nano Inc. offers its innovative sealant TSN-21TM as a new nano-modified polymer sealant designed to seal concrete surfaces under high temperatures and severe exposure conditions. TSN-21TM is a nano-modified low viscosity sealant that penetrates and seals concrete microcracks and pores to a depth of 2-3 mm. The sealed concrete surface becomes impermeable preventing any fluid (e.g., water) ingress or leaching. TSN-21TM is very durable against different exposure conditions, including high pH environments (e.g., sulfuric acids), and able to seal concrete walls in operational temperatures up to 250 °C. TSN-21TM stabilizes, seals, and protects concrete substrates and improves its bond strength to steel and composites. TSN-21TM is applied manually to vertical and horizontal concrete surfaces using spray and squeegee methods. TSN-21TM has an application time of up to 30 minutes. A worker can typically apply about 100 square meters of concrete per hour. TS-Nano Inc. an ESG company in the US, has developed, patented, and is producing TSN-21TM.