



EUCLID CHEMICAL

PROJECT PROFILE

ASSAÍ ATACADISTA DISTRIBUTION CENTER



PROJECT DATA

Location – Paulista, Pernambuco, Brazil

Application – Fiber Reinforcement for jointless slab on ground

Contractor – Item Piso

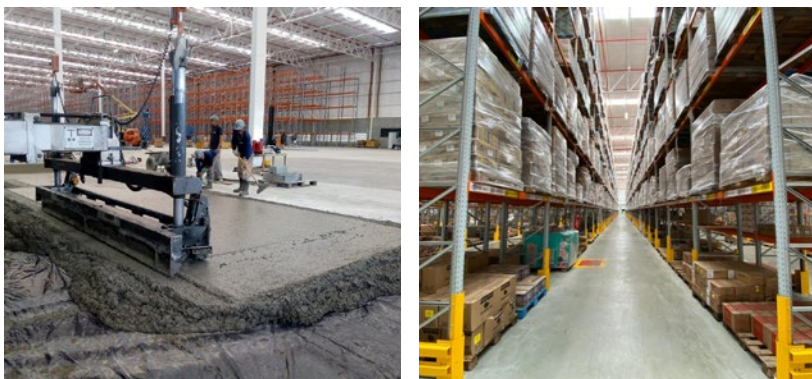
Total Area – 15,000 m² (161,460 ft²)

PRODUCTS FEATURED

TUF-STRAND™ SF
Synthetic Macrofiber

SCOPE OF PROJECT

- Distribution center constructed with combined fiber reinforcement solution and shrinkage compensating admixture
- Joint spacing of more than 22 m (70 ft)
- Low maintenance and high durability
- No cracks



PROJECT SUMMARY

Assaí Atacadista is a Brazilian self-serve, wholesale company and is the second largest Brazilian retail company, selling over 8,000 different items per store, including food, beverages, personal hygiene, automotive, pet supplies, appliances, and packaging products. Today, the company has over 200 stores and is working toward sustainable goals with around 11% of its energy consumption coming from renewable sources.

This construction of this distribution center located in Paulista, PE required a 15,000 m² (161,460 ft²) slab with high joint spacing of 22.0 x 23.0m (72.2 x 75.5 ft). For a jointless slab, high performance concrete was required and a pre-qualification testing procedure was conducted to validate the usage of TUF-STRAND SF at a dosage of 5.65 kg/m³. The use of TUF-STRAND SF provided a comfortable safety factor for both the contractor and the designer, along with providing Assaí with an economical, durable, high-performance, no-crack slab on ground.