

PRODUCT DESCRIPTION

ATL™ anchored thermoplastic lining is provided with different types of anchor studs on one side of the sheet and with different materials of polymers to protect concrete surfaces against corrosion which has different types depending on the type of concrete element. ATL™ Anchored thermoplastic is a chemical and abrasion resistant lining system for the protection of poured-in-place or pre-cast concrete. ATL™ Anchored thermoplastic sheet is available in Polypropylene (PP) and High Density Poly Ethylene (HDPE).

PRODUCT FEATURES

- Prevent corrosion
- Prevent water penetration
- Protection against chemical agents
- UV protection
- Prevent material leakage inside the concrete chamber
- Increase the life of concrete elements
- High speed installation and execution
- It is done before concreting and does not depend on the concreting time
- Strong mechanical adhesion to concrete surfaces

PRODUCT USES

ATL™ is used in many cases where the purpose is to protect the concrete against destructive effects:

- Concrete tanks
- Concrete pipes
- Retaining walls
- Concrete walls exposed to moisture
- Wet wells and manholes
- Piles of bridges and elements under
- Sewage tanks and pipes
- Tunnel

TECHNICAL Thermoplastic Anchored

Property	Test Method	HDPE	PP
ASTM Specification		D1248	D4101
Density	D792	0.945	0.91
Water Absorption%	D570	<0.01	0.02
Tensile Strength(psi)	D638	3500	4900
Modulus of Elasticity(psi)	D638	140K	210K
Flammability	D635	slow	slow

HOW TO USE

A reinforced concrete floor slab is poured in accordance with the required concrete design. Hold the elevation of the base slab 63 mm to 150 mm below the finished floor elevation. Place form work for the inside wall and attach ATL™ Anchored



ATL™ Anchored thermoplastic

thermoplastic sheet using H-Zip strips for vertical joints onto the forms. Install reinforcing and outside wall forms. Pour and vibrate concrete in the conventional manner. Alternatively, attach ATL™ Anchored thermoplastic on gang forms before they are erected and weld approximately 300mm of the bottom of all vertical joints. Secure 13 mm x 13 mm plastic perimeter screed strips to the walls now or immediately prior to installing the floor. The screed strips are located 63 mm to 150 mm above the concrete base to accommodate the mortar bed. When the setting bed is placed ATL™ Anchored thermoplastic sheets are set in a manner similar to a tile setter setting tile. After the setting bed is dry (3-7 days), all open joints are welded.

SHEET SIZES

Standard thickness is 5 mm. HDPE is also available in 3 mm (1.5 m. x 10 m rolls). All ATL™ Anchored thermoplastic lining system grades have smooth, easy-to-clean surfaces. ATL™ HDPE & PP can be supplied with a fabric laminate to enable bonding and flashing of membranes and flooring materials to the ATL™.

STORAGE

Store ATL™ sheets, accessories and prefabricated items in a safe place under cover. When placing ATL™, temperatures must be above freezing

MAINTENANCE

Field repairs or modifications are easily made using thermoplastic welding techniques.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.