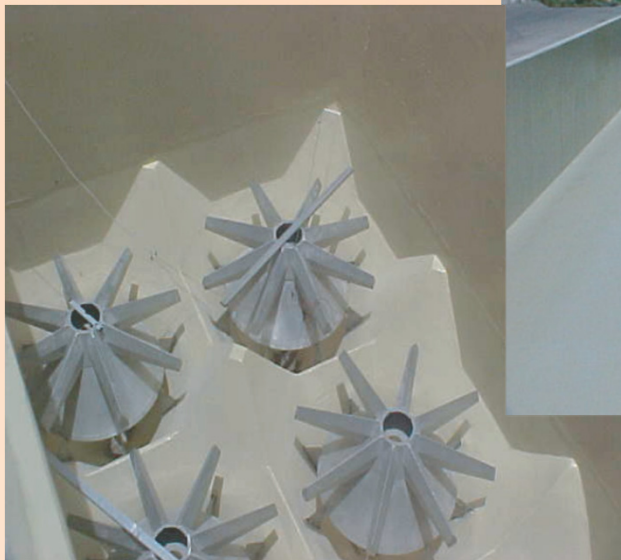


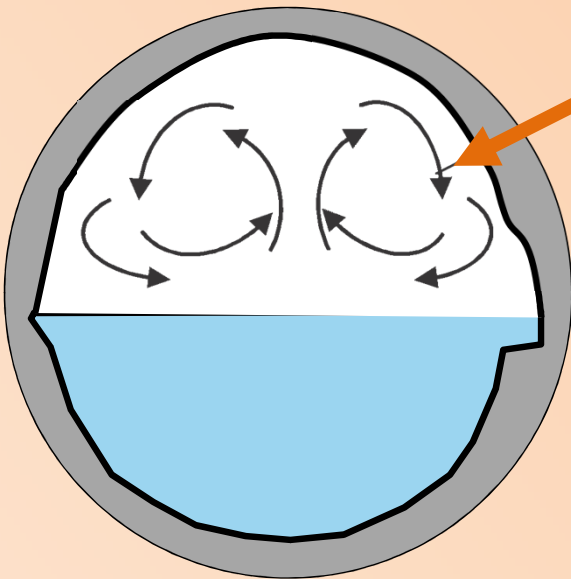
Sewerage and Acid Protection System



Sewerage Structures linings must resist:

- Gas impermeability against Hydrogen sulphides
- Sulphuric acid attack from acid producing amoeba
- Extended exposure to oxygen starved structures
- Abrasion Resistance

Anaerobic conditions generated in the presence of oxygen (in moist zones) causing acid attacks

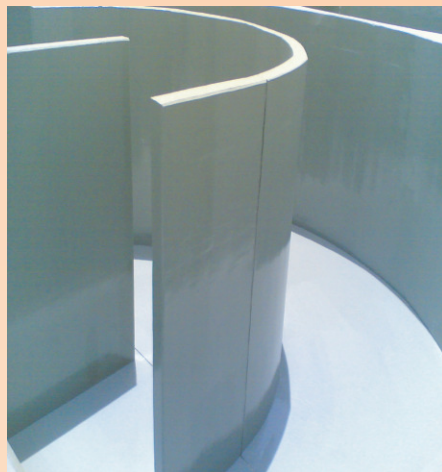


Requirements for Sewerage Plant Lining:

- Sulphuric acid resistance (20%)
- High impermeability
- Increased film thickness
- Sound history
- Optimum adhesion

- Sewage constrains bacteria, sulfate and organic matter so it has the elements required for sulfide generation
- Bacteria then oxidize the sulphides in the presence of moisture forming Hydrogen
- H_2S that escapes as gas from solution in the sewer maybe oxidized in exposed surface but in moist environments, Hydrogen Sulphides formed in the sewer are reduced to Sulphuric acid by sulphide oxidizing bacteria called Thiobacillus Concretivorus
- The acid causes corrosive damages to vulnerable materials

Sewerage and Acid Protection System Applications



Rezcoat Waterproofing and Lining System Products :

Souplethane 5

- High performance solvent free, two component Polyurea hybrid protective lining

Souplethane 5 Core

- Hybrid solvent free, two component Polyurea waterproofing coating

Souplethane 6

- High performance solvent free, spray applied and quick curing two component Polyurea

Resicoat PU

- A highly cross linked solvent free Polyurethane protective coatings

Resiroof PU

- Roof Polyurethane which forms a tough and flexible waterproofing membrane for steel and concrete roofing structures

Resiproof UG

- Subsurface Polyurethane tanking membrane resistant to Sulfate

Resicoat EPS

- High performance chemical resistant epoxy coating used to protect structures from splash and spill conditions normally experienced in chemical, production plants and laboratories.

Resicoat EPS-6

- Two pack high build epoxy buildcoat/finish

Resicoat EPS-7

- High solid two pack epoxy pigmented with micaceous iron oxide

Resicoat EPS-9

- Two pack high build epoxy buildcoat/ finish

Resicolor UV-1 and UV-2

- High performance fast drying acrylic urethane gloss finish

Resishield UV-30

- Two component aliphatic polyurethane coating

Rezcoat Waterproofing and Lining System Products :

Resiprime Primer C111

- Single component moisture cure polyurethane concrete primer

Resiprime Primer P111/P112

- Single component moisture cure polyurethane steel primer

Rezkem Primer EPS 4

- Quick curing high build two pack epoxy zinc phosphate primer/buildcoat

Rezkem Primer EPS 8

- Two pack zinc phosphate zinc phosphate

Resiputty 050EP

- Non – slump epoxy putty

Permare EP

- A highly chemical resistant epoxy coating for industrial and chemical coatings.

Permare EPW

- An epoxy Polysulphides WRC certified for potable water applications

Rezcoat products are manufactured in Saudi Arabia with accordance to ISO 9001: 2008 standards.

Manufactured from Bayer raw materials using their unique and high performance design technology.

These materials are solely manufactured in our ISO 9001: 2008 accredited plant which produces products conforming to these standards and specification.

Approach

Rezcoat
Rezayat Protection Coatings Company Ltd.
www.rezcoat.com

Sole manufacturer of two part Polyurethane and Polyurea systems in Saudi Arabia, distributing internationally from Dammam, Saudi Arabia

Rezcoat Head Office
P.O. Box 90
Al Khobar 31952
Saudi Arabia
Tel: +966 3 8825700 Ext. 4001
Fax: +966 3 8826717
rtclcomkho@rezayat.com.sa

Rezcoat Production Plant
2nd Industrial City
Dammam, Saudi Arabia
Tel: +966 3 8123515
Fax: +966 3 8123303
sulaimanq@rezayat.com.sa

Rezcoat Riyadh Office
P.O. Box 996
Riyadh 11421
Saudi Arabia
Tel: +966 1 447 0587 Ext. 119
Fax: +966 1 447 8919
rtclcomriy@rezayat.com.sa

Rezcoat Jeddah Office
P.O. Box 6670
Jeddah 21452
Saudi Arabia
Tel: +966 2 6637613
Fax: +966 3 661133
rtclcomjed@rezayat.com.sa

