

Product Description

Polyflex 204 is a high performance membrane of Polyurea. It provides excellent insulation and is resistant to a variety of chemical products. It can be used in a wide range of climatic conditions while continuing to offer excellent durability. Applications are done primarily by brush and roller. Due to its aliphatic nature the product is suitable in exterior applications. It has high solid content and remains flexible. While it can be used as a repair kit, it can also be used as a complete water proofing membrane

Area of Use

Substrates

Over properly prepared:

- Ferrous Metal
- Aluminum/Non-Ferrous Metal
- Galvanized Metal
- Concrete
- Concrete Block
- Geotextile

Possible Uses

- Steel or Concrete Tanks
- Refineries
- Food Processing Facilities
- Water and Wastewater Treatment Facilities
- Chemical Processing Facilities
- Pulp and Paper Mills
- Concrete Structures
- Dry Holds/Wet Holds
- Pipes
- Containment and Secondary Containment
- Floors
- Material Handling Equipment
- Port and Pier Facilities

Ready Reference Information

Color: Various colors

Type of cure: 2 components

Binder: Aliphatic

***Solids by volume:** 91%*

***Solids by weight:** 90%*

*combine with the catalyst

V.O.C.: 96 g/l

Flash Point: 102° F

Recommended dry film thickness/coat: 40 mils
1000 microns

Theoretical Coverage:

At 1 mil: 1461 ft²/gal

At 25 microns: 135 m²/3.78 liter

Ratio: 1:1

Pot Life: 20 minutes max

Shelf Life: 1 year

Drying Times and Temperatures*

Gel Time: 45 minutes

Tack free: 4 hours

To recoat: 2 hours minimum; 24 hours maximum

Hard dry: 24 hours

*(may vary with climatic conditions)

Product Features

- Superior anti-corrosive protection for steel and concrete in cold service climates.
- Protective membrane on metal, masonry, silos, all kinds of pipes and stone slabs.
- Application on geotextile to form ponds, to retain overflow, prevent effluent leakage, water and petroleum product leakage.
- Provides an excellent waterproof protection on rigid urethane insulation.
- Garage and parking decks.
- Can be used to repair or replace an existing membrane.
- Excellent abrasion resistance.

POLYFLEX 204

Recommended Systems

Moisture Cure Urethanes (MCU) Approved Primers (when appropriate):

MC-CR
MC-Miozinc
MC-Zinc
MC-Ferroclad 100 PW

Compatible Coatings

Moisture Cure Urethane (MCU) Coatings:

Primers:
MC-Ferroclad 100 PW
MC-Zinc
MC-Miozinc
MC-CR

Surface Preparation

See Wasser's Polyurea Application Guide.

Application Information

For Polyurea and/or polyurethane membranes:*

Roughen the surface of Polyflex with a 40 grit (or less) abrasive, remove dust with a dust rag or vacuum. Make sure the surface is clean, dry and dust free before the application. Clean the surface with acetone, let the acetone evaporate and apply the repair kit.

For concrete:* Make sure the concrete surface is dry and clean. The grout and loose particles on concrete surface need to be cleaned before the application. If a hardener was used in the concrete, it must be roughened with a Blastrac machine or equal impact tools. Direct or primed applications can be done. (Blastrac is a registered trademark of the Wheelabrator Corporation.)

For steel:* First remove all grease, oil, salt contaminants and dirt in accordance with SSPC SP-1 solvent cleaning procedure. High pressure water wash using salt solubilizing agents can be used to remove the remaining salt. SSPC SP6 or SSPC SP10 may be used depending on the application.

** Consult your Wasser representative for specific and detailed applications as well as choosing the appropriate primer.*

Performance Testing Data

Resistance to tearing:

(ASTM D-624-C) Tear strength = 21.6 N/mm(123.1 PLI)

