

Application Manual

This application manual consists of all the details related to our products used for different types of application. It also consists of step wise application process details along with product description.

Manufacturing

Largest variety of Construction Chemicals

Since 1991

Waterproofing | Heatproofing | Admixtures | Paints



an **“ENGINEER”**
can keep a
“DOCTOR” away...



CRACK REPAIRING WITH CRPS 99 with Crack Fill Paste

Expansion & Other Structural joint filling with CRPS-99.

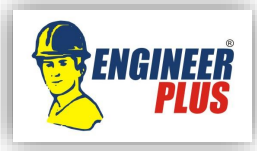
DESCRIPTION OF CHEMICALS

CRPS-99: Forms a tough elastic rubber like seal. Accommodates continuous and pronounced cycle movement. High resistance to aging influences, physical damage and climate extremes. Good adhesion to most buildings materials. Resistant to temperature UV rays, ozone and weather conditions. Has a movement capability of +25% width joints.

APPLICATION PROCESS

1. Clean the surface by rubbing with wire brush to remove dust, and others. Wash with clean water.
2. First we have to fix these cracks with the help of grinder. We open these cracks and bring them to V groove shape.
3. Now we pour Aquaprime-99 into these cracks. till saturation.
4. After this we will fill CRPS-99 in these cracks

Note: For the consumption details kindly refer to our Technical data sheet present in our main company profile of products. Or kindly download the TDS of the product from our website www.engineerplus.in



CRACK REPAIRING WITH CRACK FILL PASTE

Expansion & Other Structural joint filling with CRPS-99.

DESCRIPTION OF CHEMICALS

Engineer plus Crack Fill Paste is a ready to use fiber glass reinforced crack filling compound for both interior and exterior surfaces. It ensures unmatched crack bridging ability for plaster cracks of up to 3 mm.

APPLICATION PROCESS

1. Clean the surface by rubbing with wire brush to remove dust, and others. Wash with clean water.
2. First we have to fix these cracks with the help of grinder. We open these cracks and bring them to V groove shape.
3. Now we pour Aquaprime-99 into these cracks. till saturation.
4. After this we will fill crack fill paste in these cracks

Note: For the consumption details kindly refer to our Technical data sheet present in our main company profile of products. Or kindly download the TDS of the product from our website www.engineerplus.in



Aqua Stop Waterproofing (4 Layer Coating)

DESCRIPTION OF CHEMICALS

Aquaprime-99 : Aqua prime- 99™ plays major role in facade coating system . It forms a dry water repellent zone beneath the coating consolidate the substrate and enhance bonding of the coating. It is gas permeable, durable, protects paints & plasters against harmful influences form within the masonry.

DRY Powder EP44 – Dry Powder EP 44 is a blended polymer modified with grey cement base adhesive to improve strength of the surface.

APPLICATION PROCESS

1. Clean the surface by rubbing with wire brush & other mechanical tools to remove dust, and other loose materials. Repairing of Cracks work will be carried out as per requirement on terrace by Crack Fill Paste
2. Apply 1st Coat of Aquaprime-99, Water and DRY Powder EP44W (1 : 1.5 : 4 Respectively)
3. Apply 2nd & 3rd Coat of Aquaprime-99, Water & DRY Powder EP44W (1:1.5:4)
4. Apply 4th Coat of WPC 99 as Lamination.

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Flexi COAT Waterproofing (4 Layer Coating)

DESCRIPTION OF CHEMICALS

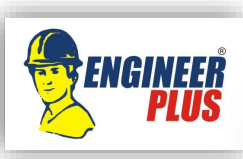
Aquaprime-99 :Aqua prime- 99™ plays major role in facade coating system . It forms a dry water repellent zone beneath the coating consolidate the substrate and enhance bonding of the coating. It is gas permeable, durable, protects paints & plasters against harmful influences form within the masonry.

Flexi Coat Black: Engineer Plus Flexi Coat is Cold applied liquid, waterproofing membrane, specially designed from a blend of special resin and rubber reinforced with special water repelling fillers, minerals, stabilizers and gelling agent.

APPLICATION PROCESS

1. Clean the surface by rubbing with wire brush & other mechanical tools to remove dust, and other loose materials. Repairing of Cracks work will be carried out as per requirement on terrace by Crack Fill Paste
2. Apply 1st Coat of Aquaprime-99, Water & DRY Powder EP44W (1 : 1.5 : 2 respectively)
3. Apply a self-priming 2nd coat of Flexi Coat (diluted with water in 1:1 ratio.)
4. Apply 3rd & 4th coats of Flexi Coat without dilution. Highly waterproofing & crack resistant coating with elastomeric properties.

Note: For the consumption details kindly refer to our Technical data sheet present in our main company profile of products. Or kindly download the TDS of the product from our website www.engineerplus.in



India's No. 1 Asli Waterproofing (7 Layer coating)

DESCRIPTION OF CHEMICALS

(1) Aquasil-99: Anti-Fungal, Penetrative & Nano technology of waterproofing Drastic Reduction in masonry maintenance cost with long term improved resistance to vagaries of weather. Protects Building , saves energy, keeps Substrate dry reducing the thermal conductivity. A water dilutable solution designed to impart repellency to masonry surface.

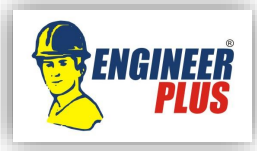
(2) Aquaprime-99 :Aqua prime- 99™ plays major role in facade coating system . It forms a dry water repellent zone beneath the coating consolidate the substrate and enhance bonding of the coating. It is gas permeable, durable, protects paints & plasters against harmful influences form within the masonry.

(3) WAC-99: A highly concentrated latex emulsion for waterproofing applications as well as protective coating to cementations substances. WAC-99 is mixed with water & cement in 1:1:2.5 by wt. It is highly economical comparatively to any such product available in the market.

(4) ICS-99: Ready to use Seal immediately on contact with water. Effective crack sealing in concrete & masonry surfaces .Can stop the leaking dripping water, until the final repairs are carried out. Hardens instantly under continuous wet conditions.

(5) Fiber mash: To strengthen & for reinforcement purpose. It is highly resistant to weather and sunlight. It is an elastomeric mash, forms a very tough bond with subtract having good permeability rating. Resistant to high alkali, mild acids, sulphates, salts, carbon dioxide.

(6) WPC-99: A boon for modern living. An amazing, powerful chemical to stop water leakage and dampness from cement concrete structure. High resistance to water, High mechanical strength, High scrub and impact resist.

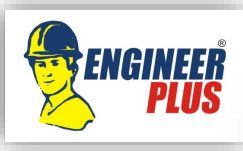


APPLICATION PROCESS

Waterproofing Procedure for Horizontal Surface

1. Clean the surface by rubbing with wire brush & other mechanical tools to remove dust, and other loose materials. Repairing of Cracks work will be carried out as per requirement on terrace by Crack Fill Paste
2. Apply 1st Coat.(Nano Coat) Engineer Plus Aquasil-99, Engineer Plus Aquaprime-99 & water. (1:2:20)
3. Apply 2nd Coat of Fiber Mesh
4. Apply 3rd, 4th & 5th coating of Engineer plus WAC-99 & Engineer plus ICS-99, Dry Powder EP44G (1:1:2).
5. Apply 6th Coat with Engineer Plus WPC-99 and water (1:1)
6. Apply 7th Coat of Engineer Plus Engineer Plus WPC 99, Aquasil-99 & water (1:1:0.1).





India's No. MAKE UP Your Terrace (9 Layer coating)

DESCRIPTION OF CHEMICALS

(1) Aquasil-99: Anti-Fungal, Penetrative & Nano technology of waterproofing Drastic Reduction in masonry maintenance cost with long term improved resistance to vagaries of weather. Protects Building , saves energy, keeps Substrate dry reducing the thermal conductivity. A water dilutable solution designed to impart repellency to masonry surface.

(2) Aquaprime-99 :Aqua prime- 99TM plays major role in facade coating system . It forms a dry water repellent zone beneath the coating consolidate the substrate and enhance bonding of the coating. It is gas permeable, durable, protects paints & plasters against harmful influences form within the masonry.

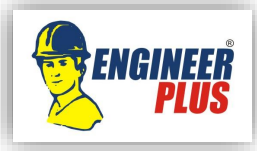
(3) WAC-99: A highly concentrated latex emulsion for waterproofing applications as well as protective coating to cementations substances. WAC-99 is mixed with water & cement in 1:1:2.5 by wt. It is highly economical comparatively to any such product available in the market.

(4) ICS-99: Ready to use Seal immediately on contact with water. Effective crack sealing in concrete & masonry surfaces .Can stop the leaking dripping water, until the final repairs are carried out. Hardens instantly under continuous wet conditions.

(5) Fiber mash: To strengthen & for reinforcement purpose. It is highly resistant to weather and sunlight. It is an elastomeric mash, forms a very tough bond with subtract having good permeability rating. Resistant to high alkali, mild acids, sulphates, salts, carbon dioxide.

(6)HPC-99: It is a matchless heat proof compound which wonderfully works on masonry surface. It stops heat penetration and keeps cool by reflecting more than 90% heat of the sun from surface. It makes you comfortable to walk on, to live with and to save electric energy. It keeps water cool in any type of water storage tank.

(7)TR.WPC-99: A boon for modern living. An amazing, powerful chemical to stop water leakage and dampness from cement concrete structure. High resistance to water, High mechanical strength, High scrub and impact resistance.

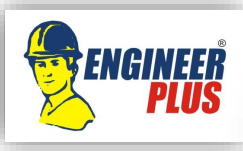


APPLICATION PROCESS

APPLICATION PROCESS

1. Clean the surface by rubbing with wire brush & other mechanical tools to remove dust, and other loose materials. Repairing of Cracks work will be carried out as per requirement on terrace by Crack Fill Paste.
2. Apply 1st Coat.(Nano Coat) Engineer Plus Aquasil-99, Engineer Plus Aquaprime-99 & water. (1:2:20)
3. Apply 2nd Coat of Fiber Mesh.
4. Apply 3rd, 4th & 5th coating of Engineer plus WAC-99 & Engineer plus ICS-99, DRY Powder EP44W (1:1:2).
5. Apply 6th coat of HPC-99 & Water in the ratio of (1 : 0.1).
6. Then apply 7th & 8th coat of Pure HPC-99 layer for giving Final touch with Color as required by client.
7. Then apply final 9th coat of TR.WPC—99 protective layer for 100%UV resistant coating.





COLORFULL WATERPROOFING Waterproofing + Paint for Vertical Walls

DESCRIPTION OF CHEMICALS

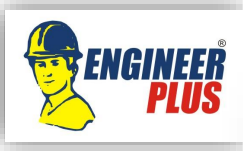
Aquaprime-99 :Aqua prime- 99™ plays major role in facade coating system . It forms a dry water repellent zone beneath the coating consolidate the substrate and enhance bonding of the coating. It is gas permeable, durable, protects paints & plasters against harmful influences form within the masonry.

DRY POWDER EP44W / EP44G : This Dry powder plays a major role as a carrier to the chemical and also creates a good rough surface with bonding qualities.

Amaze Advance : Amaze Advance is a all weather resistant elastomeric paint which gives a long life to the structure along with esthetic value.

APPLICATION PROCESS

1. Clean the surface by rubbing with wire brush & other mechanical tools to remove dust, and other loose materials. Repairing of Cracks work will be carried out as per requirement on terrace by Crack Fill Paste
2. Apply 1st & 2nd Coat of Aquaprime-99, Water & DRY Powder EP44W (1 : 1 : 2)
3. Apply 3rd & 4th coating of Amaze Advance Paint.



PU-5 – Waterproofing for Water Tank / Swimming Pool from Inside

DESCRIPTION OF CHEMICALS

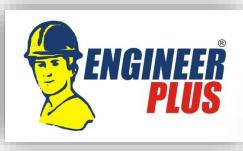
(1) WAC-99: A highly concentrated latex emulsion for waterproofing applications as well as protective coating to cementations substances. WAC-99 is mixed with water & cement in 1:1:2.5 by wt.

(2) ICS-99: Ready to use Seal immediately on contact with water. Effective crack sealing in concrete & masonry surfaces .Can stop the leaking dripping water, until the final repairs are carried out. Hardens instantly under continuous wet conditions.

(3) GIPUA (PU COATING): It is a two component aliphatic urethane with exceptional resistance to chemicals and ultraviolet light. Each component is factory packaged in ratio & ready for onsite mixing. The resin component is colored differently and hardener is clear to give a visual on complete mixing prior to use.

APPLICATION PROCESS

1. Clean the surface by rubbing with wire brush & other mechanical tools to remove dust, and other loose materials. Repairing of Cracks work will be carried out as per requirement on terrace by Aquaprime-99 & Cement.
2. Apply 1st coat of Aquasil 99 with Aquaprime 99 with water.
3. Apply 2nd & 3rd coating of Engineer plus WAC-99 & Engineer plus ICS-99 with DRY Powder EP44G (1 : 1 : 2).
4. Apply 4th & 5th Coating of Engineer Plus Gipua



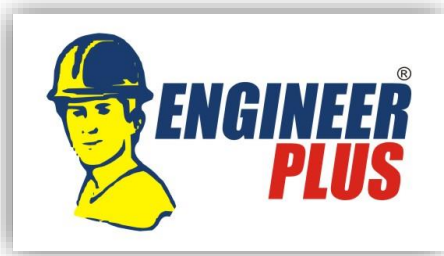
PU-7 – Waterproofing for Water Tank / Swimming Pool from Inside

DESCRIPTION OF CHEMICALS

- (1) **WAC-99:** A highly concentrated latex emulsion for waterproofing applications as well as protective coating to cementations substances. WAC-99 is mixed with water & cement in 1:1:2.5 by wt.
- (2) **ICS-99:** Ready to use Seal immediately on contact with water. Effective crack sealing in concrete & masonry surfaces .Can stop the leaking dripping water, until the final repairs are carried out. Hardens instantly under continuous wet conditions.
- (3) **GIPUA (PU COATING):** It is a two component aliphatic urethane with exceptional resistance to chemicals and ultraviolet light. Each component is factory packaged in ratio & ready for onsite mixing. The resin component is colored differently and hardener is clear to give a visual on complete mixing prior to use.

APPLICATION PROCESS

1. Clean the surface by rubbing with wire brush & other mechanical tools to remove dust, and other loose materials. Repairing of Cracks work will be carried out as per requirement on terrace by Aquaprime-99 & Cement.
2. Apply 1st, .(Nano Coat) Engineer Plus Aquasil-99, Engineer Plus Aquaprime-99 & water.
3. Apply 2nd & 3rd coating of Engineer plus WAC-99 & Engineer plus ICS-99 with cement & Fiber mesh
4. Apply 4th & 5th Engineer plus WAC-99 & Engineer plus ICS-99 with DRY POWDER EP44G (1:1:2) (Highly waterproofing & crack resistant coating).
5. Apply 6th and 7th Coating of Engineer Plus Gipua



Rules & More

All the application process mentioned in this manual are standard application process designed for the best quality of waterproofing as per your requirement. We request you to kindly refer our company profile product catalogue to know more about the technical data of all the chemicals mentioned in this manual. All the warranties and claims shall be accepted only if the application is done as mentioned in this manual.

For more details you can mail us on
maharashtra@engineerplus.in