

Excaid™ 爱创

Polymer PE and PP Membrane

Product instruction

The high polymer waterproofing polyethylene polypropylene fiber waterproofing volume material, uses the polyethylene, the excel in polypropylene fiber adhesive-bonded cloth, this outwire partition wall has the ear and the area around it medicinal preparation, the anti-aging opposes Japan the noisy molecular raw material, disposable squeezes out the processing by the automatic production line to be made. Curls the material, intermediate level is the waterproof layer and provides for old age the level, high and low both sides strengthen the tack coat, cakes with its necessary use's development's binder voluntarily, reliable, reliable, side not curls upwards, the no time to drum, the double-decked waterproofing, forms the complete polyethylene polypropylene fiber polymer cement waterproofing system.



Membrane opening picture

Product specification

specification: 200g/m²-1200g/m²
 size: Breadth 1200mm, 1500mm
 length: the 100m/volume, 50m/curl
 the color: According to needs to produce any color

Product characteristic

- This product is the green environmental protection product, non-toxic, tasteless, does not have the pollution. 23 targets conform to GB/T17219-1998 "Life Tap water To lose Match Water Equipment And Shielding material Safety evaluation Standard" the standard request.
- Because mixes in the anti-aged medicinal preparation, the product to have the very good anti-aging, the oxidation resistance, the anti-corrosive characteristic, flexibility good, easy curving, and does not break off, anti-pulls with the anti-perforation performance is good, conforms to GB18173.1-2000 "high polymer waterproofing material first part of &S226; Sheet material" the standard request, may with the construction structure same level life, the polyethylene bury in the sandy soil 80 years not rotten, does not make decent, proved through the examination: -40℃ does not have the crack, the high temperature +80℃ not to have the flow (to see Table four).
- May construct in the moist basic unit, so long as in the basic unit does not have water then to construct, after the heavy rain stops, sweeps the water may construct immediately only, is advantageous in rushes a job the time.
- Good flexibility, easy curving, to fold easily willfully, to operate. The kitchen health, the swimming pool, the basin waterproofing, cloudy, the positive angle and the tube root spot exempts makes eight character angles and the arc, may make the right angle construction, avoided the evil ways working procedure pasting the ceramic tile to pick out the bad waterproof volume material the phenomenon, guaranteed that two times shut the water not to seep.
- Construction speed is quick, the efficiency is high, the kitchen health, the swimming pool, the basin set up the wall not to need to make the nap and contact surface processing. Glues the ceramic tile directly on the volume material, namely the labor saving reduces effort.
- Bonds with the volume material necessary use's spot sign polymer cement, is the green environmental protection product. Its primary data is the spot sign rubber which and the cement furnishing this company produces pappy, not only bonds the bonding properties to be good, moreover is in itself together the waterproof layer, may seal up basic unit, play the anti- water role, is very loose to the basic unit request, can also get up levels the function.
- Anti-puncture performance, is suitable for each kind of afforested planter surface waterproofing, the polyethylene polypropylene fiber waterproofing volume material anti-perforation performance is good, can play the role which the anti- root punctures, each target conforms to GB12953-2003 "Chlorination Polyethylene Waterproofing Volume Material", GB/T17638-1998 "Earthwork Composition material Short Filament Acupuncture Must Weaves Earth the standard request. The waterproof effect is very remarkable, until now does not have a leakage.

Adaptation scope

Is suitable for each kind of roofing, the basement, building waterproofing works and so on tunnel, civil with industrial architecture roofing and understructure work, tank, municipal administration, bridge, subway, tunnel, project waterproofing and so on dam, especially is suitable for the durability, the inoxidizability requests the priority project which easy distorts.

Technical data

[Confirming to GB18173.1-2006]

| No. | Item | FS ₂ |
|-----|----------------------------------|---------------------------------------|
| 1 | TENSILE STRENGTH N/cm | NORMAL TEMPERATURE ≥ 60 |
| | | 60°C ≥ 30 |
| 2 | ELONGATION AT BREAK % | NORMAL TEMPERATURE ≥ 400 |
| | | -20°C ≥ 10 |
| 3 | TEAR RESISTANCE N | ≥ 20 |
| 4 | IMPERMEABILITY, 30min no leakage | 0.3Mpa |
| 5 | LOW TEMPERATURE BENDING °C | ≥ -20 |
| 6 | HEATING SHRINKING mm | EXTENTION ≥ 2 |
| | | SHRINK ≥ 4 |
| 7 | HEAT RESISTANCE(80°CX168h) | TENSILE STRENGTH % ≥ 80 |
| | | ADHESIVE BREAKING KEEPING RATE % ≥ 70 |
| 8 | HEAT RESISTANCE(80°CX168h) | TENSILE STRENGTH % ≥ 80 |
| | | ADHESIVE BREAKING KEEPING RATE % ≥ 80 |
| 9 | OXIDE AGEING(40°CX168h) 200pphm | No crack |
| 10 | SYTHENTIC AGEING | TENSILE STRENGTH % ≥ 80 |
| | | ADHESIVE BREAKING KEEPING RATE % ≥ 70 |

△ Note: ● When the overall thickness is less than 1.0mm, the elongation at break shall be not less than 50%, other properties reach more than 80% of required value.

Job practice

- Construction schedule: The approval looks for the surface - cleaning up basic unit - configuration cement bond - to make the extra ply - basic unit construction - protector - maintenance.
- Before caking, will curl the material to unfold in advance first, adjusts, will then curl the material both sides to rebate curls up, compounds the good cement bond to pour into the basic unit, and Blows evenly with the scraper, will curl the material to push the shop forward again, and removes the carry-over promptly with the scraper in the volume material internal air, blows unnecessarily The cementing agent, curls the material with to level the level caking rate ≥85%.
- Joint procedures:
 - (1) Roofing waterproof joint construction: Separates the steam level, the waterproof layer and the extra ply uses the lap joint method, cakes with the cement bond, the width is 10cm, the extra ply joint and the waterproof layer joint stagger above 5cm.
 - (2) Basement waterproof joint construction: Selects the 10-15cm joining covering strip joint method, the covering strip selects the high polymer perfect fitting of seams agglutination rubber caking.
 - (3) Waterproof volume material joining width broadside 8-10cm, the leg of right triangle 10-15cm neighboring leg of right triangle joint should stagger above 100cm, wall surface With the ground included angle place is above 30cm.
- Protector:

After curling the material shop stuck finishes, must in the waterproof layer make 1:2:5 cement mortar thickness is the 2cm protector, divided two times to wipe, two met The stubble must stagger above 20cm, the protector demand is smooth, and water spray protection.

Product applied technology

The polyethylene third (washes) when the black silk ribbon high polymer waterproofing volume material and the construction main body caking must use joins the polypropylene fiber special-purpose rubber powder to make the bond.

Building Application 1

Construction applies **the roofing waterproofing**: Using wants the special attention volume material with move of plane in cementation area and the cementation intensity, this is guarantees the waterproof life the key technologies.

Underground waterproofing: Should curl the material design, in receives the hydraulic pressure to have under the back lining condition the use to calculate the volume material racking strength.

Indoor anti-seepage: When applies in the inner wall including the floor anti-seepage, after curling the material glue, should guarantee that the cementation level hardening carries on the incrustation construction again. Before the inner wall decoration surface layer, should brush 1.5 % polyethylene to the volume material on third (to wash) the black silk ribbon high polymer waterproofing volume material necessary special-purpose rubber powder cement element thick liquid.

The ground is moisture proof: Applies is moisture-proof in the ground, must pay attention to the ground surface layer thickness, guarantees the ground stability, the corner volume material vertical height is not smaller than 200mm.

The moisturizer separates was mad: Uses in moisturizing the level to separate was mad when uses the one-sided compound volume material, its glue, lays down with the roofing waterproofing is the same, the joint selects the two-sided compound volume material pad strip method, does not have the protective layer. the construction applies

Building Application 2 Channel, reservoir anti-seepage; Earth stone dam anti-seepage

Other Application

May apply in the metallurgy, the chemical against pollution, the anti-seepage, the pipeline waterproofing, the mine pitwaterproofing, road uses and so on bridge waterproofing, tunnel waterproofing.