



F500 COWHIDE MUSCLES® LIQUID MEMBRANE WATERPROOF

CONSTRUCTION STEPS



1		BASE SURFACE CLEANING 基面清理
2		FIRST COAT OF COATING 第一遍涂刷
3		SECOND COAT (AT LEAST 2 COATS)PREFERABLY WITH POLYESTER MEMBRANE IT IS RECOMMENDED TO APPLY A PROTECTIVE LAYER 第二遍涂刷（最少2遍，加聚酯布更佳） 建议打保护层

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**JISHAN
REPAIR**

F500 COWHIDE MUSCLES® LIQUID MEMBRANE WATERPROOF

"Suitable for waterproofing projects in bathrooms, kitchens, balconies, concrete roof etc.

*This waterproof coating is not recommended to be exposed to the sun, which will shorten the waterproof life.



Highly Adhesive

Highly Elastic,
Crack-Resistant

Eco-Friendly

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Basic Introduction

F500 Cowhide Muscles® Liquid membrane waterproof , a coating that can substitute for waterproofing membranes.This high-performance waterproof coating cures to form a rubber-like elastomer.It is primarily made from anionic rubber,modified high-quality petroleum asphalt,and includes various rubbers, synthetic resins, surfactants, emulsifiers, and antioxidants, produced with specialized equipment to create a high-elasticity,premium waterproof coating.

Scope of Application

- Various types of buildings such as roofs,gutters,balconies, etc.,require waterproof and moisture-proof treatment(using a protective layer extends service life);
- Waterproof and moisture-proof treatment for basements, kitchens, bathrooms, garages, etc.;
- Especially suitable for waterproofing complex, deformable, and crack-prone irregular parts of structures.

Application Process

- Clean the base surface thoroughly; it should be solid and smooth without any looseness, sanding, or peeling, free of dust, oil, or debris. Uneven areas should be repaired with repair mortar.
- After repairs, treat the base surface with a primer by rolling or spraying to ensure the surface is solid and dust-free.
- All penetrations through the waterproof layer, such as pipes,embedded parts,equipment bases,and reserved openings, should be installed and secured before the waterproofing application.
- Apply a thin, even first coat of the liquid membrane, incorporating polyester fabric into the coating for crack repair or large-scale applications to enhance the tensile strength of the membrane. Lay the polyester fabric during the first application.
- After the first coat dries, apply a second, thicker coat of liquid membrane. The total thickness of both applications should be no less than 1.5mm. Subsequent applications should be carried out once the previous coat is touch-dry and non-sticky,with perpendicular cross-application to prevent missed areas. For special areas such as internal and external corners, gutters, and pipes, reinforce the first layer with polyester fabric before proceeding with subsequent applications.
- Wait at least 48 hours after application before exposing the surface to water or applying other covering layers. For a protective layer, especially under roof or outdoor conditions to ensure the long-term durability of the liquid membrane, it is advisable to cover the dry film with a protective layer of 2-3 cm thick cement mortar directly.

Features

- A single-component product, ready to use upon opening the barrel, offering convenient and rapid application. It can be applied by brushing, rolling, or mechanical spraying, meeting various customer construction requirements.
- Excellent waterproof performance, forming a seamless, complete waterproof coating on the base surface. Once dry, the coating has superior water resistance and can be submerged for extended periods.
- Exceptional elongation properties, with an elongation rate of up to 700%, capable of repairing minor cracks in the substrate that cause leaks.
- Excellent low-temperature flexibility,remaining crack-free at temperatures as low as -25°C.
- Outstanding high-temperature sag resistance, does not flow at temperatures up to 110°C.
- Strong adhesive force, displaying excellent adhesion on various substrates.
- A water-based product, non-toxic and environmentally friendly, free from toxic and harmful substances.
- Time-saving and material-efficient, the product can be applied in thicknesses from 1-5mm with a single application without cracking.Mechanized application allows a single operator to cover large areas, solving the time-consuming and material-wasting issues of traditional membrane installation, such as cutting, overlapping, and heat welding.

Precautions

- A direct method of quality inspection for waterproof construction is the closed water acceptance test;
- The closed water test should be performed 72 hours after the coating has cured to avoid issues such as peeling, cracking,or detachment due to incomplete curing during multi-layer application;
- After the closed water test, avoid using sharp objects that might damage the coating; if damaged, repair it immediately;
- To avoid affecting product performance, do not add other colloidal materials to this product;
- The product must be stored in a cool, dry place, protected from prolonged exposure to sunlight, and newly applied waterproof coatings also need to be protected from rain and frost.
- The suitable construction temperature is 5°C to 35°C, with humidity between 50-70%, and outdoor construction wind should not exceed Beaufort scale 5.

Packaging and Storage

- During transportation, avoid exposure to sunlight, rain, and impact to prevent damage to the packaging.
- Store the product in a cool, dry place at temperatures between 5°C and 35°C, and avoid direct sunlight.
- Shelf life: 12 months.

Standard

JC/T408-2005 "Emulsified Asphalt Waterproof Coating"

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产品说明

极细修护牛皮筋®液体卷材，是一款可以代替防水卷材的涂料。该产品是一种高性能防水涂料，固化成膜后呈橡胶状弹性体。该产品是以阴离子橡胶为主要基料，对优质的石油沥青进行改性，并加入多种橡胶，合成树脂、表面活性剂，乳化剂、防霉剂等辅助材料，经专用设备精制而成的一种高弹性优质防水涂料。

适用范围

- 各类建筑物如屋面、天沟、阳台等防水防潮处理(打保护层使用寿命更持久)；
- 地下室、厨卫、车库等防水防潮处理；
- 特别适用于结构复杂、易变形和开裂的异形部位的防水。

产品特点

- 单组份产品，开桶即用，施工方便快捷，可采用涂刷、滚涂、机械喷涂等多种施工方式，满足客户各种施工要求；
- 优异的防水性能，无缝连接，在基面上形成一层完整的防水涂膜，干透后的涂膜防水性能优异，可长期泡水；
- 优异的延伸性能，延伸率可达700%，可修复基层微小裂缝引起的漏水；
- 低温柔性性好，零下25℃无裂纹；
- 高温抗流挂性优异，110℃高温不流淌；
- 粘结力强，在各种基材上表现出优异的附着力；
- 水性产品，无毒环保，不含有毒有害物质；
- 省时省料，产品喷涂厚度1-5mm均可一次成型无裂纹，机械化施工1人可大面积施工，可解决卷材施工需裁剪、搭接、热熔等繁琐程序造成的费时费料弊端。

施工流程

- 把基面清理干净，应坚实平整，不得有疏松、起砂、起皮现象，无浮灰、油污杂物，对空鼓不平整的地方用修补砂浆进行修补；
- 对修补后的基面进行界面处理，用基面处理剂进行滚涂或者喷涂一遍即可保证基面坚固无浮灰；
- 穿透防水层的管道、预埋件、设备基础、预留洞口等均应在防水层施工前埋设和安装牢固；
- 第一遍均匀薄涂液体卷材，针对裂缝维修或大面积施工，需在涂膜中加入聚酯布，以起到增加涂膜抗拉伸的作用，第一遍涂刷时，铺贴聚酯布；
- 第一遍干后，再厚涂第二遍液体卷材，两遍施工厚度不低于1.5mm，后续施工均在前次施工成膜表干不粘手后进行，垂直交叉进行施工，以防漏涂。对于特殊部位如阴阳角、天沟、水管等位置可在第一遍表面铺设聚酯布进行加强处理，再进行后续施工；
- 施工完至少48小时以上，方可见水或加入施工其他覆盖层；
- 保护层施工，如在屋面或露天条件下使用，为保证液体卷材的长期耐久性，在液体卷材干燥成膜后最好在其表面进行覆盖保护层处理，可直接覆盖2-3厘米厚的水泥砂浆做保护层。

注意事项

- 该防水施工质量检验的直接方法是闭水验收；
- 闭水验收应在涂膜固化72小时后进行，以避免多遍施工过程中局部固化不完全，导致涂层起皮、开裂、脱落现象；
- 闭水验收后尽量避免使用尖锐物品破坏涂层，如遭破坏应立即进行修补；
- 为避免影响产品性能，本产品不允许添加其他胶体物料；
- 需要储存在阴凉干燥处，避免长时间阳光照射，新施工的防水涂层也需要防止雨淋和霜冻；
- 适宜的施工温度是5℃-35℃，湿度50%-70，室外施工风力不大于5级。

包装贮存

- 运输过程中避免日晒雨淋和撞击，避免破坏包装；
- 贮存时保持温度在5℃~35℃的阴凉干燥处，严禁暴晒；
- 保质期：12个月。

执行标准

JC/T408-2005《水乳型沥青防水涂料》

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