



# F500 COWHIDE MUSCLES® LIQUID MEMBRANE WATERPROOF

## CONSTRUCTION STEPS

<b>1</b>		BASE SURFACE CLEANING 基面清理
<b>2</b>		FIRST COAT OF COATING 第一遍涂刷
<b>3</b>		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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# 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, 固化后呈现橡胶弹性体。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层, 干燥后的涂层耐水性能优异, 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;
- 低温柔性好, 零下25°C无裂纹;
- 高温抗流挂性优异, 110°C高温不流淌;
- 粘接力强, 在各种基材上表现出优异的附着力;
- 水性产品, 无毒环保, 不含有害物质;
- 省时省力, 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力弊端。

### 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, 用界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, 后续施工均在干透后进行, 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;
- 施工完毕至少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;
- 闭水验收应在涂层固化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, 如遇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°C-35°C, 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°C-35°C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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