

# 输送带增强用骨架材料 Fleximat® for conveyor belt reinforcement

SW

## Benefits

- ① 长距离的电梯传送带  
Long lasting elevator belts
- ② 更少的故障  
Less downtime
- ③ 可预留定位孔，用于安装固定铲斗  
Easy bucket fixation due to possible cord free zones

### 什么是 Fleximat® Straight Warp (SW)? What is Fleximat® Straight Warp (SW)?

Fleximat® SW 是加强垂直升降机提升带的骨架材料。它提供垂直升降机所需要的刚度，能够有效地分担在提升过程中带来的冲击，对抗顶部导轮处产生的弯曲和抵御高温。  
Fleximat® SW is the right reinforcement for bucket elevator belts. It offers the rigidity needed for good bucket fixation, deals effectively with the impact on the buckets during loading, copes well with bending over crowned pulleys and resists high temperatures effectively.

Fleximat® SW 作为重载传送带骨架材料的一部分，能够帮助您抵御野蛮的冲击、剧烈的切割和提高柔韧性。

If you contend with brutal impacts, severe cuts, or need high flexibility, Fleximat® can help. Fleximat® SW is part of a family of proven steel carcasses for heavy duty conveyor belts.

### 独一无二的编织技术 Unique weaving technology

Fleximat® SW 产品横向和纵向都是钢帘线。横向的钢帘线被固定在彼此相近的位置，交替出现在纵向钢帘线的上方或下方，在使用过程中不会破损或变形。  
Fleximat® SW's consists of steel cords in both longitudinal and transversal directions. The transversal cords are positioned relatively close to each other and are alternately located either fully on top or either fully underneath the longitudinal cords. They will not become damaged or deformed during operation.

所有的帘线都由一根浸有粘合剂的经向绒线通过梭子连接在一起，使得织物形成一个整体结构。

All of the cords are connected through an RFL dipped binder yarn via a plain weave scheme. It makes the fabric behave as one integrated structure.



## 为什么选择 贝卡尔特? Why choose Bekaert?

钢丝变形与镀膜领域的专家  
The wire drawing and coating specialist

贝卡尔特所拥有高度专业的灵活性、历史经验以及工艺技术能为您生产各种规格、成分或机械性能的钢丝产品。贝卡尔特总部位于比利时，拥有130多年的钢丝产品制造经验，客户遍及120多个国家。

Bekaert has the flexibility, the historical background, and the technical skills to create any steel wire no matter what shape, composition or mechanical characteristic. We have been producing continuously for over 130 years and are available in over 120 countries.

设计满足最为苛刻的环境  
Designed for the most demanding environments

能源和公共事业领域需要安全可靠的产品以确保在苛刻的环境中仍然能够表现优异。贝卡尔特的产品适用于各种海上/陆上应用，天然气、采矿、输电、采油和通信，并确保安全、可持续和具成本效益的运营。

The energy and utilities sector needs safe, reliable products that perform well under highly demanding circumstances. Our products can be used in offshore/onshore applications, gas, mining, power transmission, oil extraction, or even telecommunications. Our products are key contributors to sustainable, safer and more cost-effective operations.

优异的粘合力和抗腐蚀性

### Excellent adhesion and corrosion protection

如同轮胎中的钢帘线，Fleximat® 钢帘线表面也镀有黄铜，提供了优异的橡胶粘合力 and 抗腐蚀性。开放型的钢帘线结构保证了橡胶能够渗透到帘线的中心，避免空气中的水分蔓延。

Just like steel cord for tire reinforcement, Fleximat® steel cord is brass coated for excellent rubber adhesion and corrosion protection. The open cord construction ensures that the rubber penetrates into the heart of the cord and avoids moisture propagation.



定制化的解决方案

### Tailored to your company

每一个垂直升降机由于规格和操作环境不同都是一个独一无二的系统。Fleximat® 广泛的产品选择能够满足您独特的安装要求。

例如：

Every bucket elevator is a unique system in terms of dimensions and operating conditions. Similarly, our Fleximat® product range allows for a vast range of parameters to be fine-tuned to match the needs for your individual installation. Some examples include:

定制的宽度

### Custom widths

我们可以根据您的安装来裁断不同的宽度。

Tailor the dimensions to your installation.

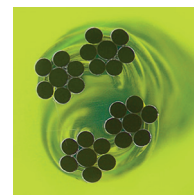
钢帘线的选择

### Steel cord options

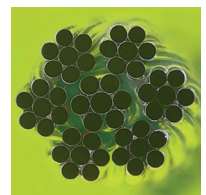
在纵向上使用传统的钢帘线或者延伸钢帘线。延伸钢帘线在顶部导轮处的表现较好，而传统钢帘线延展性有限，系统较紧凑。

Apply either conventional or elongation cords (e-cords) in the longitudinal direction.

E-cords deal well with crowned pulleys, while conventional cords excel in limiting elongation and keeping the system compact.



E-cord



R-cord

无钢帘部分

### Cord-free zones

为了方便钻孔工序，您可以选择无帘线部分的固定位置。

Choose where you would like cord-free zones to be placed. Helps with bucket fixation and facilitates the punching or drilling process.

大颗粒防护针

### Coarse particle protection

横贯纵向帘线的上下两根纬线对运输的大颗粒有额外的保护。

Extra protection against the entrapment of coarse particles, thanks to the double series of transversal cords on top and below the longitudinal cords.

抗弯之王

### Bending champion

Fleximat® SW 在制作传送带端部时，在机械夹具的高强弯曲半径上表现良好，能够很好地适应机械夹具的小半径。

Good fit with sharp radius of the mechanical clamp. Fleximat® SW copes well with strong bending radii in the mechanical clamps used to make the belt endless.

在使用之前

### Ready to use

现有的纺织压延机能够很容易地对 Fleximat® SW 进行加工，并可以发运到距离您最近的传送带生产商。

Fleximat® SW can be easily processed on existing textile calenders and is ready to be shipped to a conveyor belt maker near you.

联系我们 Contact us

更多信息  
More information?

贝卡尔管理（上海）有限公司  
上海市大渡河路168弄31号  
Waterfront Place E栋17楼  
电话 +86 21 2219 7000  
传真 +86 21 2219 7399  
www.bekaert.com.cn

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