

# Case Study

## Vynagrip



### How do you help prevent slips in a wet and humid greenhouse that's visited by thousands of people each year?

At the Glasshouse Nurseries, the UK's second most visited paid entry garden, the original rubber flooring was so slippery they were forced to cancel the guided tours. They needed a new matting solution that would remain slip resistant in wet conditions – and cope with large amounts of foot and wheel traffic.

#### The problem

The Royal Horticultural Society's Glasshouse Nurseries in Wisley, UK, is a vast garden comprising of a glasshouse with three climatic zones, a learning space and a growing lab. It's also the second most visited paid entry garden in the United Kingdom. The RHS had become concerned that the original rubber matting had become slippery due to the heat, humidity and large volumes of water needed for nurturing the tropical plants. They needed new slip resistant matting that would cope in a challenging environment, plus withstand high levels of pedestrian and wheeled traffic.

#### The checklist

- ✓ Withstands wet and humid environments
- ✓ Provides grip underfoot for both pedestrians and service trolleys
- ✓ Quickly drains and dissipates water
- ✓ Resistant to algae and mould
- ✓ Available in one long continuous roll

#### At a glance



##### Client

Royal Horticultural Society

##### Brief

Slip resistant walkway matting that can withstand wet and humid conditions, and is impermeable to mould and algae.

##### Location

Wisley, UK

##### Environment

Walkway

##### Industry

Commercial buildings

##### Needs

Cushioning, drainage, fall through, heavy duty, slip resistance

#### Plastic Extruders Ltd.

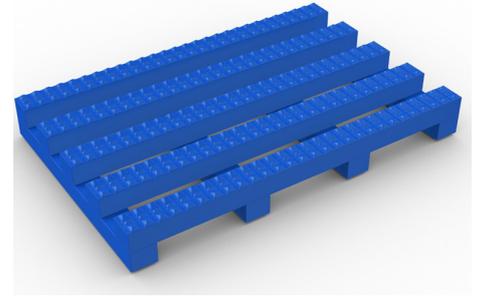
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### The solution

We worked closely with Nick Morgan, the nursery's manager, to test the effectiveness of different mats when placed in a humid environment. After several trials, Vynagrip was installed along the walkways, as well as the points of entry. The matting's open grid means it can quickly drain large volumes of water, while the deep-etched surface delivers slip resistance even when soaking wet.

Made from non-porous PVC, Vynagrip is impermeable to mould, algae, oils and other chemicals, making it ideal for wet and humid environments like the Glasshouse Nursery. The two-layer construction provides comfortable cushioning, and the addition of a gently angled ramp welded to the edges of the mat facilitates the passage of carts and wheeled equipment.

"We're really pleased with the matting and the way it has solved our problem. The previous mat was no longer safe for nursery staff and we had to stop the guided tours as it was a danger for the public. Vynagrip has changed all that. Regardless of how wet it gets, the staff are not slipping and we're delighted that we have been able to resume the guided tours."

Nick Morgan, manager,  
Glasshouse Nursery



### Product spotlight: Vynagrip

Our number one defence against slippery environments, Vynagrip is a heavy-duty mat that delivers both slip resistance and anti-fatigue properties.

#### Features:



Diamond cut pattern



Two layer open-grid construction



Made from non-porous PVC



Proven anti-fatigue properties



Comes in 10m (33') rolls or ramped modules

#### Benefits:



Certified slip resistant  
(DIN 51130:RI I, ASTM I677: 1.0/0.9)



Excellent drainage (DIN 51130:V10)



Resistant to chemicals, acids, oils



Boosts productivity



Contours to uneven surfaces