

Japanese knotweed/ JD-25-01 Kerkrade (NL)

Context & Project Description

The project is located in the southeast of the Netherlands, in Kerkrade (Sint-Pieterstraat). At this location, an unstable bridge had to be demolished and replaced by a roundabout. In the area of the works, Japanese knotweed was found in several places and had to be eradicated before the works could start.

Equipment

The project was carried out in 5 batches:

- Zone 1: 52m² – 35 hot screws
- Zone 2: 105m² – 50 hot screws
- Zone 3: 101m² – 49 hot screws
- Zone 4: 95m² – 48 hot screws
- Zone 5: 110m² – 60 hot screws

Treatment target

The treatment target is a minimum of 50°C for 3 days.

Monitoring

All zones were monitored with thermocouples at 1.5 m, 1 m, and 0.5 m depth and with a handheld thermometer just below the surface.

Planning

The treatment of the zones had to be completed before the start of civil works in early May 2025.

Conclusion

The treatment of the areas was carried out in a timely and correct manner despite some challenges such as the winter period, a utility line and a slope.



Key words

Contaminants
Japanese knotweed

Surface
463m²

Volume
695m³

Tonnage
1.250 T

Number of Hot Screws
242 Hot Screws

Temperature Target
Minimum 50°C

Heating Duration
87 days

Location
Kerkrade

Future use
Roundabout

Client
Municipality of Kerkrade

Partner
/

Consultant
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Date
2025