

Technical Code DVS 2225-4

Welding of lining membranes made of polyethylene (PE) for the sealing of landfill and contaminated sites

Technical Committee of the DVS
Working Group W4 „Joining Plastics“
Subgroup W4.7 „Plastic foils and membranes“

This publication has been drawn up by a group of experienced specialists working in an honorary capacity and its consideration is recommended. The user should always check to what extent the contents are applicable to his particular case and whether the version on hand is still valid. No liability can be accepted by the DVS – Deutscher Verband für Schweißen und verwandte Verfahren e.V., and those participating in the drawing up of the document.

Content:

| | | |
|-----------|--|-----------|
| 1. | Scope | 3 |
| 2. | Lining membranes | 3 |
| 3. | Design details | 4 |
| 3.1. | Weld shapes | 4 |
| 3.2. | Installation of lining membranes..... | 4 |
| 3.3. | Connection to polyethylene components (PE80, PE100, hereinafter 'PE')..... | 4 |
| 4. | Welding process | 10 |
| 4.1. | General information..... | 10 |
| 4.2. | Welding parameters..... | 10 |
| 4.3. | Execution of welding work..... | 10 |
| 4.3.1. | General information..... | 10 |
| 4.3.2. | Heated wedge welding..... | 11 |
| 4.3.3. | Hot-gas extrusion welding..... | 12 |
| 5. | Welding machines and welding equipment..... | 12 |
| 6. | Site inspections..... | 12 |
| 7. | Notes on improvements | 13 |
| 8. | References | 14 |
| 8.1. | Regulations | 14 |
| 9. | Appendices..... | 15 |

Voransicht des Regelwerkes