

Verenigde EPDM Systeem Producenten



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EPDM

1. VESP
2. What is EPDM
3. EPDM types in function of production
4. EPDM seaming techniques
5. Durability
6. Recycling



VESP

1. VESP stands for “ Verenigde EPDM Systeem Producenten” Roof – Facade - ponds
2. VESP was founded the 5th of December 1995
3. For more then 25 years we promote EPDM as a waterproofing membrane for the above applications .
4. Goal:
Information – promotion – techniques
Common research and testing on durability and recycling of EPDM for the Benelux market
5. Some figures for lining in Benelux

2000	2010	2020	2021	2022
396 KSQM	1008 KSQM	1787 KSQM	1446 KSQM	1481 KSQM



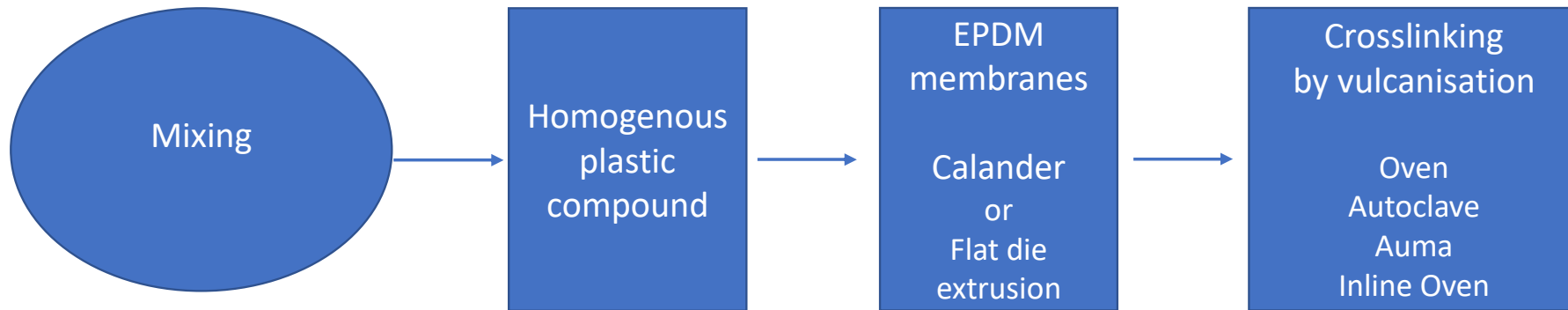
What is EPDM Rubber



What is EPDM Rubber

- **EPDM** is the abbreviation of "**E**thylene-**P**ropylene-**D**iene-**M**onomer"
EPDM is made from ethylene, propylene, and a diene comonomer that enables crosslinking via sulfur vulcanization.
- EPDM is always used compounded with fillers such as carbon black and calcium carbonate, with paraffinic oils, and has functional rubbery properties only when crosslinked.
Crosslinking mainly occurs via vulcanisation with sulfur but is also accomplished with peroxides
- Raw materials: **EPDM** polymer (min 25%) – Carbon black (approx 40%) – processing oils





Properties of EPDM

- **EPDM** remains elastic at all times and has no Yield point – After 47 years still >200%
- **EPDM** does not have any impact on growth of algae, bacteria, plants
- **EPDM** is fishfriendly
- **EPDM** has very good UV, ozone resistance, therefore extremely durable for aswell exposed as non£
exposed lining
- **EPDM** has good low-temperature properties, with elastic properties to temperatures as low as -40°C
- **EPDM** liners are tested according to FLL and EN 13948 for root penetration.
- **EPDM** is extremely durable

