



Mould Materials

– An Overview

ARMCON
CERTAINTY: IN CONCRETE

Mould Materials – Simple Breakdown

What are they, and what do we use them for:

- **Latex**
 - Comprises of Hard Outer shell and Soft Inner Latex Mould
 - Mainly Used for Ornamental Products
 - Ideal for Smaller Ornamental Items
 - Can be Complex to Demould, Fragile Components Which May Tear



- **Acrylonitrile Butadiene Styrene (ABS)**
 - ABS is Usually Black Material
 - A Hard Brittle Plastic Widely Used for Paving
 - Less hard wearing than Other Materials
 - Gives Good level of Reproduction Detail on Finished Products
 - Requires More Demould Taper than More Flexible Plastic and Urethanes
 - Can Be Brittle in the cold and Is Prone to Cracking
 - Sizes Variations are common in Moulds Compared to Other Vacuum Formed Plastics



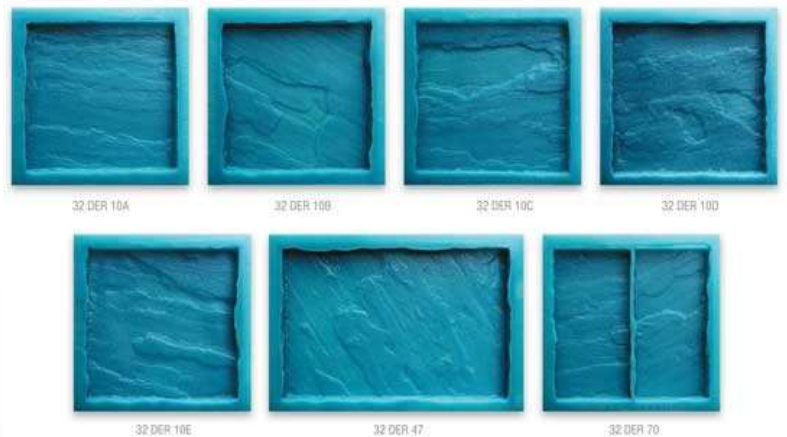
- **Polypropylene (PP)**

- A Hard Wearing Robust Thermoplastic
- Can Flex over 1 Million Times without Failing
- Minimal Demould Taper Required
- Widely Used For Posts & Panel Moulds
- Gives High Definition and Realistic Reproduction
- Ideal for Volume Production Runs, Outlast ABS



- **Polyurethane (PU)**

- Highly Flexible and Durable
- Produces Very Detailed Products
- Ideal for Natural Stone Reproduction and Intricate Designs
- Self sealing Meaning Leak Free Production
- Very Fast stripping
- Perfect For Constant Use Retains its Shape indefinitely



- **Armpol (PU)**

- 2 Part Material to produce your own moulds e.g. for Restoration Products
- Liquid when mixed – same consistency as water
- Rubber like material when set
- Pours on top of what ever shape or form you would like to reproduce
- Used to produce individual moulds that can be reused or for ‘1 offs’
- Very durable
- Create very complex shapes



- **Fibreglass**

- Hard Wearing
- Complex to set up
- Used for large items and ornamentals
- Needs to be bolted together
- Uses steel/timber frames To Support
- Used for specific jobs where a dimensionally accurate product is essential

- **Timber**

- Used for Shorter Production Runs
- One offs Produced in Timber
- Specials Architectural Designs
- Work Involved Varnishing the Mould



- **Steel**

- Long Lasting moulds
- Heavy Duty Material
- Very Durable
- Can be Slow to Demould

