



UR 58480 cast on F 180 model for wall cladding application

# HIGH-QUALITY WET-CAST MOULDS AND MODELS WITH LIMITLESS VARIETY

## EVERYTHING FROM A SINGLE SOURCE:

SikaAxson offers a comprehensive range of products based on PU and EP resins and block materials. These are specially attuned to each other in order to produce the most detailed models, with which flexible high-quality wet-cast moulds can then be poured.

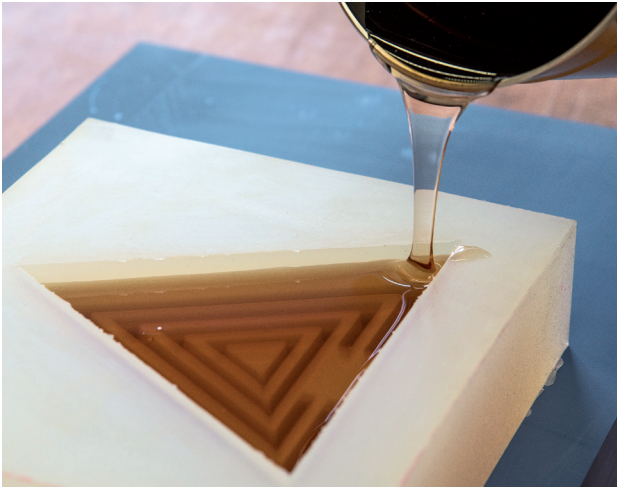
### WET-CAST MOULDS WITH A HIGH DEGREE OF DESIGN FREEDOM:

- Large offer of PU elastomers cast by hand or 2K machine that cure at room temperature
- Selection is based on part geometry, desired surface quality and required quantity
- Very flexible elastic molding materials with shore hardness of A 30 for easy demoulding of very complex parts up to A 80 for self standing moulds and heavy series
- PU specially dedicated to liners casting (long working time) or large and heavy moulds (up to 1 ton)
- Semi-rigid materials with shore hardness up to D 65 for casting PU stamps to print design on fresh concrete on floor and walls.

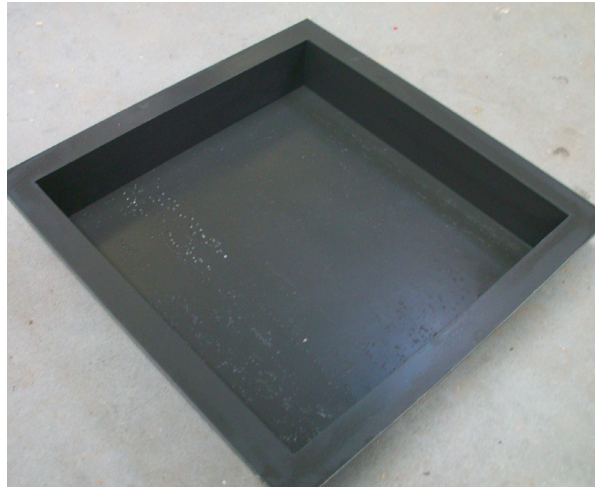
### MODELS THROUGH NATURAL CASTING OR CNC MILLING TECHNOLOGY:

- Model surfaces can be cast directly from pre-treated natural stone surfaces or wooden structures with the appropriate PU casting resins
- Duplication of natural models with our silicones and fastcast casting systems
- Easy production of high-quality working models with long lifespan and limitless design freedom
- Extensive possibilities through optical scanning process with data feedback or conventional CAD data generation
- The models can be implemented fast and precisely with PU block materials by CNC milling

# Casting resins for mold making



Potting of Biresin® U 1404



Floor tile mould made by UR 58630 for heavy production

## ELASTOMERIC CASTING RESINS FOR THE CONCRETE AND CONSTRUCTION INDUSTRY

Product	UR 58300	UR 58480	UR 7845	UR 58630	U 1404 / BF 620	UR 3450	UR 58720	UR 5895
<b>A shore hardness</b>	30	50	45 to 50	63	63	80	75	95
<b>Process</b>	hand	hand	hand	hand	machine	hand	hand	hand or machine
<b>Timing before use [h]</b>	24	24	36	24	16	36	24	24
<b>Aspect*</b>	soft	soft to rigid	soft to rigid	semi-rigid	rigid	rigid	rigid	rigid
<b>Number of shots**</b>	< 500	> 500	< 500	> 1.000	< 500	> 1.000	< 500	> 1.000
<b>Applications</b>	Parts with high undercuts or detailed. Art & Deco parts, could replace silicones	Heavy series of parts like floor tiles, pavements. Moulds for wall cladding stones or bricks aspect	Large or thick moulds, liners. Thin detailed fake stones	Chemical resistant, adapted to heavy series of floor tiles, swimming pools dressing	Short setting time, compatible to pigmented concrete casting	Chemical resistant, mechanical resistant, adapted to very heavy series of parts	Soft stamps for walls or floor!	Stamps, reinforcement of other PU moulds; inserts for concrete casting in steel frameworks, tools for building industry, high pressure moulds for concrete injection

\* soft: needs of frame; soft to rigid: shelf standing behavior depending of casting thickness; rigid: no need of frame

\*\* validated with compatible release agent for concrete

All PU could be accelerated with addition of catalyst for machine use

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