Schouten Group
SynTec

Poly 74/75-series® Liquid Mold Rubbers
for Concrete Casting, Texturing & Stamping

Discover the Flexibility of Liquid Mold Rubbers for Concrete Casting, Texturing & Stamping

Poly 74-45 Liquid Polyurethane Rubber was used to make a form liner to cast this ~20-ft decorative concrete panel.

Poly 74-75 series are Polytek Development Corp. products.

Liquid Mold Rubbers for:

Do you have questions for the Schouten SynTec Technical Support Team?

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Cast Stone Veneer

For high-volume **veneer stone production**, use Poly 74/75-series room-temperature curing, liquid polyurethane mold rubbers. These mold rubbers capture excellent surface detail, offer exceptional dimensional stability and have unmatched lifetime and durability compared to hot melt and polypropylene systems. Polyurethane rubber molds can be completed in a much shorter time frame (~16-hour demold times) compared to latex rubber molds. When properly maintained, polyurethane molds will last for years and produce thousands of stones.

RECOMMENDED PRODUCTS:

Poly 74-20 Liquid Rubber *popular for multi-cavity molds*

1A:2B Mix Ratio | Shore A20 | 30-Min. Pour Time | 800 cP Mixed Viscosity

Poly 74-45 Liquid Rubber *popular for panelized systems*

1A:1B Mix Ratio | Shore A45 | 30-Min. Pour Time | 2,500 cP Mixed Viscosity

Poly 74-20

Use polyurethane liquid mold rubbers to create custom **flexible rubber inserts** or **form liners** that are placed into a rigid form. Liners can be easily removed from the form for demolding or replaced when a change in texture is desired. Poly serie polyurethane rubbers can meet the demands of any size liner.

RECOMMENDED PRODUCTS:

Poly 74-29 Liquid Rubber

Popular for gasket panels for brick veneer.

1A:1B Mix Ratio | Shore A30
30-Min. Pour Time | 2,800 cP Mixed Viscosity

Poly 74-45 Liquid Rubber

Popular for patterns with moderate undercuts.

1A:1B Mix Ratio | Shore A45
30-Min. Pour Time | 2,500 cP Mixed Viscosity

Poly 75-65 Liquid Rubber

Popular for patterns with little to no undercuts.

1A:1B Mix Ratio | Shore A65
35-Min. Pour Time | 3,000 cP Mixed Viscosity

Use firm polyurethane mold rubbers to cast reusable **block-outs** or **hole formers**.

RECOMMENDED PRODUCTS:

Poly 75-65 Liquid Rubber

1A:1B Mix Ratio | Shore A65
35-Min. Pour Time | 3,000 cP Mixed Viscosity

Poly 75-80 Liquid Rubber

2A:1B Mix Ratio | Shore A80
45-Min. Pour Time | 5,000 cP Mixed Viscosity

Poly 74-45

Poly 75-65

Decorative Surfaces

Stamps & Texture Mats

Pour Schouten SynTec / Polytek liquid rubbers onto a textured pattern (e.g., slate, brick, cobblestone, flagstone, etc.) to make reusable stamping tools and texturing skins to impart any desired texture into a concrete floor, wall or other surface. Concrete stamping is used to make faux stone walls, textured pool decks, walkways, patios, driveways, stairs, countertops and more.

RECOMMENDED PRODUCTS:

Poly 74-45 Liquid Rubber   *popular as "floppies" for stamping corners and edges*

1A:1B Mix Ratio | Shore A45 | 30-Min. Pour Time | 2,500 cP Mixed Viscosity

Poly 75-65 Liquid Rubber   *popular for vertical stamping*

1A:1B Mix Ratio | Shore A65 | 35-Min. Pour Time | 3,000 cP Mixed Viscosity

Poly 75-80 Liquid Rubber   *popular for flatwork*

2A:1B Mix Ratio | Shore A80 | 45-Min. Pour Time | 5,000 cP Mixed Viscosity

Poly 75-80

Countertops

Liquid polyurethane mold rubbers can be used to create the entire shape and texture of the countertop, or, in conjunction with rigid forms, can be used to create individual countertop elements. These include sink inserts, decorative edging and trim strips, drain boards and much more.

RECOMMENDED PRODUCTS:

Poly 74-45 Liquid Rubber

Popular for edge strips and full tabletops.

1A:1B Mix Ratio | Shore A45
30-Min. Pour Time | 2,500 cP Mixed Viscosity

Poly 75-65 Liquid Rubber

Popular for sink shapes and other plugs.

1A:1B Mix Ratio | Shore A65
35-Min. Pour Time | 3,000 cP Mixed Viscosity

Site Furnishings & Decor

Make poured, brush-on, or spray-on rubber molds to reproduce concrete statues, tiles, decorative panels, outdoor and indoor furniture, planters and much more.

RECOMMENDED PRODUCTS:

Poly 74-20 Liquid Rubber

Use for models with deep, irregular undercuts.

1A:2B Mix Ratio | Shore A20
30-Min. Pour Time | 800 cP Mixed Viscosity

Poly 74-45 Liquid Rubber

Use for models with moderate undercuts.

1A:1B Mix Ratio | Shore A45
30-Min. Pour Time | 2,500 cP Mixed Viscosity

Poly 75-65 Liquid Rubber

Use for models with little to no undercuts.

1A:1B Mix Ratio | Shore A65
35-Min. Pour Time | 3,000 cP Mixed Viscosity

Poly 74-45

Hardscape

Concrete can be poured into rubber molds to create **pavers, stepping stones, patio stones, rock face liners, fire pits, retaining wall block, pier and wall caps** and more.

RECOMMENDED PRODUCTS:

Poly 74-20 Liquid Rubber

Popular for models with deep, irregular undercuts (e.g., wall stone, steps).

1A:2B Mix Ratio | Shore A20
30-Min. Pour Time | 800 cP Mixed Viscosity

Poly 74-45 Liquid Rubber

Popular for multi-cavity molds.

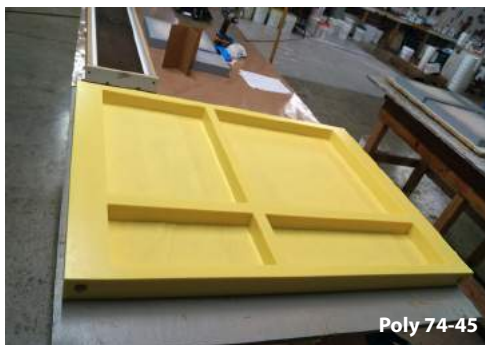**1A:1B Mix Ratio | Shore A45**
30-Min. Pour Time | 2,500 cP Mixed Viscosity

Poly 75-70 Liquid Rubber

Popular for pavers and stepping stones with minimal undercuts.

1A:1B Mix Ratio | Shore A70
40-Min. Pour Time | 3,000 cP Mixed Viscosity

Poly 74-45

Architectural precast producers and restoration specialists use polyurethane rubbers to make molds of original architectural elements. Concrete can be poured into rubber molds to create **brackets, decorative panels, medallions, cornice molding, balusters, columns** and more.

RECOMMENDED PRODUCTS:

Poly 74-20 Liquid Rubber

Use for models with deep, irregular undercuts.

1A:2B Mix Ratio | Shore A20
30-Min. Pour Time | 800 cP Mixed Viscosity

Poly 74-45 Liquid Rubber

Use for models with moderate undercuts.

1A:1B Mix Ratio | Shore A45
30-Min. Pour Time | 2,500 cP Mixed Viscosity

Poly 75-65 Liquid Rubber

Use for models with little to no undercuts.

1A:1B Mix Ratio | Shore A65
35-Min. Pour Time | 3,000 cP Mixed Viscosity

Polygel® 35 Brush-On Rubber

Self-thickening mold rubber popular for vertical applications. Spray version also available.

1A:1B Mix Ratio | Shore A35
8 to 10-Minute Working Time

Poly 75-65

Poly 74-20

Poly 74-20

Casting Plastics

Master: Poly 1512
Mold: Poly 74-20

Poly 15-Series Liquid Plastics

Use Polytek's toughest line of polyurethane plastics to create permanent masters, supportive shells and mother molds.

Use **Poly 1511**, **Poly 1512** or **Poly 1512X** with PolyFiber II thickener for shells and mother molds. **Poly 15-3** and **Poly 15-3X** offer minimal shrinkage and are great for replicating masters.

EasyFlo-Series Liquid Plastics

EasyFlo polyurethane plastics are low-viscosity, fast-setting polyurethane plastics often used for fast pattern production.

EasyFlo 60 has a fast working time of 2 to 2.5 minutes and a demold time of 15 to 30 minutes. **EasyFlo 95** has a working time of 5 minutes and demold time of 20 to 90 minutes.

Hardcoats

EasyFlo Spray FR Plastic

Use this fast-setting (cures in less than 30 minutes), sprayable polyurethane system to hardcoat rigid surfaces such as hotwire-cut EPS foam, MDF or wood. This thin, tough and easy-to-sand coating can be applied in one or more layers to create a finished model or fabricated form for concrete casting. This is a flame-retardant product: *UL-94 (V-0)*.

EasyFlo-Series Plastics & PolyFiber II

For a fast-setting hardcoat, add PolyFiber II thickener to EasyFlo-Series Liquid Plastics to bring these low-viscosity resins to a brushable consistency. Use **EasyFlo 60** for a 2 to 2.5-minute working time and a 15 to 30-minute demold time. Use **EasyFlo 95** for a 5-minute working time and a 20 to 90-minute demold time.

Release Agents
for Mold Making

Pol-Ease® 2300 Release Agent
Silicone-based, aerosol spray release agent for use on non-porous or sealed models when making polyurethane rubber molds.

Pol-Ease® 2350 Sealer & Release Agent
White petrolatum dissolved in mineral spirits. This semi-permanent option can serve as a sealer and/or release agent for porous and non-porous models when making polyurethane rubber molds. No additional release agent necessary.

Poly PVA Solution
Water-soluble, alcohol-based sealer for porous models. Clear and green versions available. Must use in conjunction with additional release agent (e.g., Pol-Ease® 2300 Release Agent) when making polyurethane rubber molds.

PolyCoat Sealer & Release Agent
Semi-permanent, silicone-based sealer and release agent. No additional release agent necessary.

Thickening Agent
PolyFiber II
Add this fibrous thickener to liquid mold rubber or casting plastics for brush-on application.

Accelerator
Poly 74/75 Part X Accelerator
Add this liquid accelerator to Polytek polyurethane rubbers to accelerate the cure.

Color
PolyColor Dyes
Dyes for coloring Polytek polyurethane rubbers and plastics. Available in black, brown, blue, green, red, yellow and white.

Release Agents
for Casting Concrete

Pol-Ease® 2650 Release Agent
Silicone-free, oil-based release agent designed for use when casting concrete in polyurethane molds. As light of a coating as possible can be sprayed or brushed into the mold with casting done immediately following since no drying is needed.

Pol-Ease® 2601 Release Agent
Water-based release agent which can be brushed or sprayed into polyurethane molds when casting concrete. Works best when allowed to dry. As with other releases containing silicone, castings may need washing before applying finishes. Because this release agent is water-based, it does not affect the dimensions of cured rubber molds as much as releases that contain solvents.

Schouten Group
SynTec

Fast deliveries all over the world

Schouten SynTec® Liquid Mold Rubbers

for Concrete Casting, Texturing & Stamping

are available across Europe and internationally:

North-America

Europe

Asia

Africa

South-America

Australia

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