



1. Product Name

Architectural Concrete Form Products

Chamfer Strips

- Poly-Comp® Brown Solid-Poly Chamfer
- Plasti-Flex™ Gray Flexible Plastic Chamfer
- Clear-Choice™ No-Knot Wood Chamfer

Reveal Rustification Strips

- Poly-Comp® Smooth Poly Reveal
- Clear-Choice™ Custom RWF Reveal (Resin Wood Fiber)

Dura-Pour® Architectural Form Panels

- Dura-Pour®-SR Scratch Resist Form-Ply
- Dura-Pour®-CP Poly Form-Ply

2. Manufacturer

Sylvan Industries, LLC
 7400 SW Cherry Dr.
 Portland, OR 97223-8041
 (800) 842-1990
 (503) 639-9000

Fax: (503) 639-6969

E-mail: info@sylvan-products.com
 www.sylvan-products.com/concrete

3. Product Description

BASIC USE

Since 1990, Sylvan Industries has recommended and supplied a variety of high quality architectural concrete form products at economical prices. Sylvan offers an extensive product line to help architects and builders achieve virtually any architectural design relating to formed exposed concrete.

Chamfer Strips

Sylvan Chamfer strips are specified to add significant or subtle architectural interest to tilt-up, cast-in-place or precast walls and columns. The proportionately insignificant costs associated with Sylvan Chamfer strips allow their use in most concrete projects, not just for forming vertical and horizontal corners in walls, windows and door openings, but to affordably add architectural details or to cover panel joints. Sylvan Poly-Comp Chamfer is available in common sizes from 1/4" - 2" (6.4 - 51 mm). Clear-Choice™ Wood Chamfer is available in sizes of 3/4" and 1.06" (19 and 27 mm).

- Poly-Comp® Brown Solid-Poly Chamfer - A very economical single-use detail strip specified in a variety of triangle shapes for ultra-smooth precision details in tilt-up concrete, precast and architectural cast-in-place projects
- Plasti-Flex™ Gray Flexible Plastic Chamfer - A 3/4" (19 mm) reusable, bendable chamfer often specified for use in precast walls or with radius walls or round columns in job-built projects
- Clear-Choice™ No-Knot Wood Chamfer - Ideal for fast installation, this 0.75" or 1.06" (19 or 27 mm) chamfer is used for cast-in-place job-built forms to deliver a finish that is nearly defect free and much more uniform than can be achieved with a standard wood chamfer

Reveal Rustification Strips

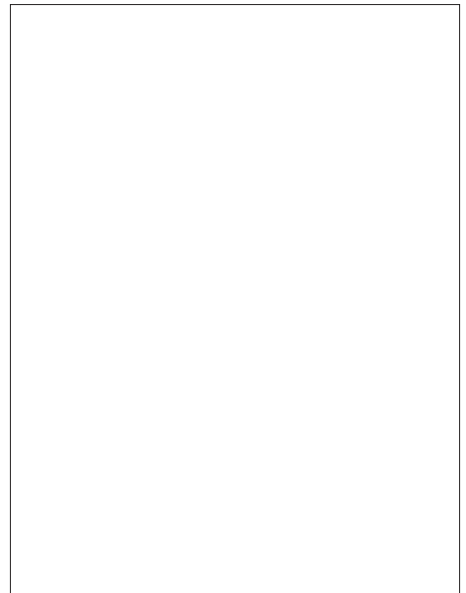
Sylvan Reveal Strips are most commonly specified to add architectural interest to monolithic tilt-up concrete walls at an economical price. Sylvan Reveal Strips are also used to add wainscoting features to cast-in-place walls or to create drip details on the undersides of cantilevered concrete decks, overhangs or entryways. Sylvan Reveals are available in the most popular industry sizes (as listed in Table 1) for economical, quick shipment.

- Poly-Comp® Smooth Poly Reveal - An economical single-use detail strip specified in varying trapezoid shapes for precision details in tilt-up concrete, as well as for pre-cast and architectural cast-in-place projects
- Clear-Choice™ Custom RWF Reveal - A detail strip specified when a custom size or angle is needed in 1/2", 3/4" or 1" (12, 19 or 25 mm) thick material; normally requires 2 - 3 weeks for setup and processing

Dura-Pour® Architectural Form Panels

Dura-Pour®-SR and CP Panels are used to create extraordinary concrete finishes that replicate the appearance of polished stone, travertine or glass. Dura-Pour's impervious surface overlays allow optimum control over the surface cure rate, which cannot be achieved from standard high density overlays (HDO), medium density overlays (MDO), phenolic surface film overlays (PSF) or Finn-Form overlays. Complete "User Guidelines" are available for a variety of specific architectural concrete finishes.

- Dura-Pour-SR Scratch Resist Form-Ply panels - These scratch-resistant panels provide an economical, watertight overlay and can be used in job-built fashion or in an engineered form system for use as structural form panels or form liners in cast-in-place walls or columns. As



Forming extraordinary results out of ordinary concrete

shown in Table 1, the most popular and economical sizes of "SR" panels are 3/4", 4' x 8', 4' x 10' and 5' x 10' (19 mm, 1.2 x 2.4 m, 1.2 x 3 m and 1.5 x 3 m)

- Dura-Pour-CP Poly Form-Ply Panels - For use in cast-in-place or tilt-up projects, these panels can enable the formation of fewer wall and column joints. Available in custom sizes and thicknesses, panels are typically specified in longer lengths for dramatic scale, from 5' x 10' (1.5 x 3 m) or greater to 5' x 24' (1.5 x 7.3 m). Though more expensive than Dura-Pour-SR panels on a per sheet basis, the costs of Dura-Pour-CP panels proportionate to the overall project costs are generally quite small, presenting opportunities for architects and contractors to affordably create compelling and lasting impressions in concrete

BENEFITS

Chamfer Strips

- Produce precise corners, joints and patterns
- Flawless surface provides ultra-smooth finish and a clean release from tilt-up and architectural cast-in-place concrete
- Can be easily trimmed for any angled or compound miter joint
- Minimize blemish transfer in concrete and ensure uniform sizes and finish
- Are easily installed, requiring only standard wood-cutting tools, approved spray adhesives or basic fasteners



Shaping the future of concrete:
The choices are yours.

- Require little to no patching, sacking or grinding
- Are available with economical mill-direct pricing for all types of concrete projects
- Large in-stock inventory enables shipment within hours or days, helping to prevent project delays

Reveal Rustification Strips

- Are ideal for tilt-up and precast concrete, as well as many types of cast-in-place job-built projects
- For large orders, can be processed and cut to almost any custom size in thicknesses of 1/2", 3/4" and 1" (12.7, 19 and 25.4 mm)
- Attach easily to the slab or form
- Produce uniform sizes, sharp details and precise corners, joints and patterns
- Have low blemish transfer in concrete
- Limit swelling and provide a smooth, blemish-free surface
- Provide a clean release from tilt-up and architectural cast-in-place concrete
- Exceed the highest finish standards in the concrete industry
- Are available at economical mill-direct prices with quick shipments

Dura-Pour Architectural Form Panels

- Improve control of surface density, finish, texture and color to formed walls and columns
- Deliver a polished stone or dense travertine finish

- Provide a high density surface with few to no bug-holes
- Accentuate details such as sharp corners, defined joints and color
- Eliminate sugaring, pinking and spalling
- Require little-to-no patching, sacking or grinding
- Offered in custom sizes, textures and thicknesses in order to create unique formliners or polished stone effects, or to replicate existing formliner finishes and patterns

COMPOSITION & MATERIALS

Chamfer Strips

Poly-Comp Brown Solid-Poly Chamfer is made of an inert extruded polymer blend. The chamfer has a rigid surface and solid foam core to provide a non-reactive clean release from concrete. Plasti-Flex Gray Flexible Plastic Chamfer is made of an extruded high density polyethylene (HDPE) with a bendable hard surface and hollow core. Clear-Choice No-Knot Wood Chamfer is made of a clear grade hardwood lumber, which is selected for straight grain and zero-to-few blemishes and dried and dressed for optimum smoothness.

Reveal Rustification Strips

Poly-Comp Smooth Poly Reveal is made of an inert extruded polymer blend. The reveal has a rigid surface and solid foam core to provide a non-reactive clean release from tilt-up, pre-cast and cast-in-place concrete. Clear-Choice Custom RWF Reveal is made of a composite resin wood fiber (RWF) strip. The RWF consists of exterior phenolic resin binders and waterproof emulsion waxes that are pressed with linear oriented wood fiber for optimum surface smoothness and precision machining.

Dura-Pour Architectural Form Panels

Dura-Pour Architectural Form Panels feature a chemically inert polyethylene face, which is resistant to moisture and chemicals. Dura-Pour panels are edge sealed with a polyurethane edge sealer to reduce unwanted edge swelling.

SIZES

See Table 1.

LIMITATIONS

Chamfer Strips

Plasti-Flex Gray Flexible Plastic Chamfer has shown linear expansion to 3/16" (4.8 mm) in extreme heat over 110 degrees F (43 degrees C) and some brittleness in prolonged sub-zero temperatures. Linear expansion can be accommodated by leaving an expansion joint or by using Poly-Comp Brown Solid-Poly Chamfer, which exhibits much



Perfect, right to the finish

less expansion. Brittleness in cold temperatures can be addressed by drilling pilot holes in the chamfer prior to securing with nails or by using spray adhesive as the attachment method.

Reveal Rustification Strips

Clear-Choice Custom RWF Reveal is more permeable than Poly-Comp, allowing faster moisture absorption from the concrete and providing less control over the cured finish, particularly on highly visible angled edges. To compensate, some architects specify that the cut RWF must have an approved release agent, bond breaker or acrylic seal prior to use in the forms. Alternately, nonabsorbent Poly-Comp Reveal can be specified to address this issue.

Dura-Pour Architectural Form Panels

The Dura-Pour-CP Panel is a custom panel, and as such has a higher cost per square foot than the economical Dura-Pour-SR Panel. The Dura-Pour-CP Panel can be susceptible to scratching if mishandled or if "User Guidelines" and maintenance instructions are not followed. A saran peel-away protection sheet is provided on every Dura-Pour-CP panel to minimize the likelihood and severity of abrasions.

By contrast, Dura-Pour-SR Panels are more economical on a per square foot basis, but are only available in 3 common sizes. Combining Dura-Pour-CP and SR panels on a single project is not unreasonable, but the concrete subcontractor must be aware of the specific differences between the 2 panels with respect to use and installation, and must coordinate with the

architect to make sure that the locations and finishes of the panels are complementary.

4. Technical Data

APPLICABLE STANDARDS

In compliance with Standard PS 1-95 for Construction and Industrial Plywood.

APPROVALS

Sylvan form products comply with applicable performance standards under Building Officials

and Code Administrators (BOCA), the International Conference of Building Officials (ICBO), and as referenced under US Product Standard PS 1-95. Consult Sylvan for specific information concerning approvals by code bodies and other industry entities.

ENVIRONMENTAL CONSIDERATIONS

Sylvan Industries is a renewable resource company. For LEED or other green building requirements, Dura-Pour-CP is available with FSC certifi-

cation under Forest Stewardship Council Certificate number SW-COC-983.

PHYSICAL PROPERTIES

Test reports are available upon request.

5. Installation

Sylvan concrete forming products and accessories can be installed using standard wood-working tools. Complete installation recommendations are available from the manufacturer.

TABLE 1 SIZES

| Chamfer Strips | Legs (sides) | Face (hypotenuse) | Part No. |
|---|-----------------|-------------------|--------------|
| Poly-Comp Brown Solid-Poly Chamfer | 1/4" (6.4 mm) | 3/8" (9.5 mm) | CHM-PC-025 |
| | 1/2" (12.7 mm) | 3/4" (19 mm) | CHM-PC-050 |
| | 3/4" (19 mm) | 1 1/16" (27 mm) | CHM-PC-075 |
| | 1 1/16" (27 mm) | 1 1/2" (38 mm) | CHM-PC-106 |
| | 2" (51 mm) | 2 7/8" (73 mm) | CHM-PC-200 |
| Plasti-Flex Gray Flexible Plastic Chamfer | 3/4" (19 mm) | 1 1/16" (27 mm) | CHM-HDPE-075 |
| Clear-Choice No-Knot Wood Chamfer | 3/4" (19 mm) | 1 1/16" (27 mm) | CHM-HW-075 |
| | 1 1/16" (27 mm) | 1 1/2" (38 mm) | CHM-HW-106 |

| Reveal Rustification Strips | Top | Base | Thickness | Part No. |
|--------------------------------|----------------|-----------------|----------------|------------------|
| Poly-Comp Smooth Poly Reveal | 1/2" (12.7 mm) | 3/4" (19 mm) | 1/2" (12.7 mm) | RVL-A-50-100-50 |
| | 1" (25.4 mm) | 2" (51 mm) | 1/2" (12.7 mm) | RVL-C-100-200-50 |
| | 1/2" (12.7 mm) | 3/4" (19 mm) | 3/4" (19 mm) | RVL-E-50-75-75 |
| | 3/4" (19 mm) | 1 1/2" (38 mm) | 3/4" (19 mm) | RVL-G-75-150-75 |
| | 1/2" (12.7 mm) | 2" (51 mm) | 3/4" (19 mm) | RVL-H-50-200-75 |
| | 3/4" (19 mm) | 2 1/4" (57 mm) | 3/4" (19 mm) | RVL-JK-75-225-75 |
| | 2" (51 mm) | 3 1/2" (90 mm) | 3/4" (19 mm) | RVL-N-200-350-75 |
| | 4" (101 mm) | 5 1/2" (140 mm) | 3/4" (19 mm) | RVL-R-400-550-75 |
| Clear-Choice Custom RWF Reveal | Custom | Custom | 1/2" (12 mm) | RVL-RWF-050 |
| | Custom | Custom | 3/4" (19 mm) | RVL-RWF-75 |
| | Custom | Custom | 1" (25 mm) | RVL-RWF-100 |

| Dura-Pour Architectural Form Panels | Width | Length | Thickness | Part No. |
|---|------------|------------|--------------|------------------|
| Dura-Pour-SR Scratch Resistant Form-Ply | 4' (1.2 m) | 8' (2.4 m) | 3/4" (19 mm) | DURA-SR-4x08x.75 |
| | 4' (1.2 m) | 10' (3 m) | 3/4" (19 mm) | DURA-SR-4x10x.75 |
| | 5' (1.5 m) | 10' (3 m) | 3/4" (19 mm) | DURA-SR-5x10x.75 |
| Dura-Pour-CP Poly Form-Ply | 4' (1.2 m) | 8' (2.4 m) | 3/4" (19mm) | DURA-CP-4x08x.75 |
| | 4' (1.2 m) | 10' (3 m) | 3/4" (19 mm) | DURA-CP-4x10x.75 |
| | 5' (1.5 m) | 10' (3 m) | 3/4" (19 mm) | DURA-CP-5x10x.75 |
| | Custom | Custom | Custom | DURA-CP-cstm |

Note - All sizes and shapes are displayed in PDF drawings at www.sylvanindustries.com/concrete.



PREPARATORY WORK

Handle and store products according to manufacturer's recommendations. Deliver in original packaging with labels and other identification intact. Store under cover in a dry, shaded area, protected from weather to minimize the effects of long-term exposure to the elements. Detailed storage and maintenance recommendations are available upon request in "User Guidelines," or by PDF at www.sylvanindustries.com/concrete, or they can be described by a Sylvan representative.

METHODS

Sylvan offers the above-mentioned "User Guidelines" upon request with every shipment from Sylvan. Specification sheets and guidelines are available in multiple formats for each product and are listed by category. Specific guidelines must be followed exactly to achieve optimum performance, longevity and concrete results.

For Dura-Pour Architectural Form Panels, specific maintenance and handling guidelines are supplied that describe in detail:

- How to protect panel edges with reapplications of proper edge seal
- Proper care of handling panels and vibrating forms to prevent damage to critical surface areas
- How to provide flat panel storage with proper support below and protection above to minimize warp and unnecessary exposure to elements
- Proper installation and maintenance techniques and how to reapply appropriate release agents in between pours to achieve optimum panel performance and the desired architectural results in concrete

Sylvan also offers "User Guidelines" that describe mix designs and installation recommendations, proper forming techniques, form sealing and leak prevention techniques, and pouring and vibration techniques to improve architectural control of the cure rate and concrete finish. CSI categories associated with Sylvan's form products include:

- Concrete Forming and Accessories - CSI Category 03 10 00
- Architectural Cast-in-Place Concrete Forming - CSI Category 03 11 16
- Concrete Form Liners - CSI Category 03 11 16.13
- Cast-in-Place Concrete - CSI Category 03 30 00

- Architectural Concrete - CSI Category 03 33 00
- Precast Architectural Concrete - CSI Category 03 45 00
- Tilt-Up Concrete - CSI Category 03 47 13

PRECAUTIONS

Though engineering of Dura-Pour Form-Ply Panels complies with applicable industry standards, it is advised that engineers who are familiar with concrete form applications approve plans for applications such as cast-in-place liners, tilt-up casting beds, precast beds and engineered forms.

BUILDING CODES

Installation must comply with the requirements of all applicable local, state and national code jurisdictions.

6. Availability & Cost

AVAILABILITY

Standard Sylvan concrete forming products are normally available for prompt shipment direct from Sylvan facilities or from local distributors. Custom orders normally require 2 - 3 weeks for setup and processing. Occasionally the demand for specific products will surge, reducing the available supply. Though most chamfer and reveal items are available on a prompt basis, Sylvan recommends that products be ordered 5 weeks before expected use to ensure their availability and maintain project scheduling accuracy. Contact Sylvan or authorized Sylvan dealers for product distribution and local availability information.

COST

Sylvan prices are quite competitive with comparable concrete forming options on the market. Price sheets are available from Sylvan and Sylvan dealers and reflect production and freight charges based on specific quantities.

7. Warranty

Sylvan Industries warrants its products against manufacturer's defects and damage in transport. Any defective or damaged product should be protected and stored under dry cover while awaiting inspection, document review and claim processing. Defective or damaged item(s) must be photographed at the time of delivery, and photographs submitted to Sylvan Industries along with a description of the claim. Specific warranty details are available from Sylvan Industries, LLC.

Certificates of authenticity are also avail-

able for Dura-Pour and Clear-Choice products. Contact Sylvan Industries for additional information.

8. Maintenance

Maintenance is not required for Sylvan chamfer and reveal strips. However, products must be stored and installed with care and according to manufacturer recommendations. Complete "User Guidelines" are available with orders of Poly-Comp Chamfer, Poly-Comp Reveal and Dura-Pour Architectural Form Panels.

9. Technical Services

Sylvan Industries staff is available by phone or e-mail to assist with technical questions. "User Guidelines" also provide product usage details and instructions.

10. Filing Systems

- Reed First Source®
- MANU-SPEC®
- Additional product information is available from the manufacturer upon request.