

Product: **Viplanyl[®]**

Product Description

Viplanyl[®] is galvanized sheet metal, protected on the surface with a layer of softened PVC. The intended use of the product is for sheet metal end pieces in PVC-based water insulation systems.

Properties

- highly resistant PVC layer protecting against climatic conditions, especially against the formation of cracks on the surface caused by surface "hardening" and changes to the finish colour, the specially developed compound of the three-tier stabilization system provides almost perfect protection against the effects of sun radiation, the UV component in particular, which leads to the ageing of the material. Comparison tests for accelerated ageing performed on the QUV - B Tester demonstrated that even after 10 000 hours there were no changes to colours registered, nor were there any surface defects - cracks, ruptures etc.
- highly resistant against "white corrosion," which is ensured by the multi-layer coating system on both sides of the sheet,
- bending and flexing capacity of the PVC layer at low temperatures,
- perfect adhesion between the PVC layer and sheet, achieved by using a special adhesion system, compound and properties of the PVC layer, technological conditions of manufacture,
- excellent welding properties, compatible with all standard-produced water insulation PVC foils,
- PVC layer colour according to the customer's request,
- all standard processes for sheet processing are available (cutting, bending, forming),
- the PVC layer does not require further maintenance or restoration throughout the duration of its service life,
- increased mechanical properties, PVC layer strength in particular,

Fire Resistance Properties

- Viplanyl[®] complies with article 11, ČSN EN 13501-1+A1: 2010 classified as: reaction to fire class - E

Applications

- anchoring, clamping and end components for PVC foils, used as water insulation for roofs, pools, underground structures, etc.,
- metalworker's components - sheathing roofs, terraces, balconies, glass balconies, attics, ledges, stills,
- tiling and ceilings in aggressive environments.

Assortment

The type, sheet thickness and colour of the protective PVC layer depends on the customer's requirements. The standard colours are grey, brown, red; green, blue (for pools), the standard unit of supply is 0.6 mm thick galvanized sheet metal in 2 x 1 m sheets.

Packaging

Based on standard procedure, sheets with plastic-coated sheet metal are packed on 2 x 1 m wooden pallets, secured with packing tape, edges are protected using packing paper. The entire pallet containing the sheet metal is wrapped in PE fixation wrap to protect against moisture. Changes to the packing process are subject to mutual agreement with the customer.

Sheet Information:

- name of manufacturer
- commercial name of product
- year of production - sheet metal identification number

Pallet Information:

- name and address of manufacturer
- name of product, identification number
- PVC layer colour identification number
- nominal sheet dimensions (length x width x thickness)
- quantity in units
- PN number
- "A" or "B" quality
- packing inspection.

Standard number of sheets on the pallet:	50 units
Weight of sheet:	10.5 kg
Surface density:	5.25 kg/m ²

Shipping

Viplanyl® shipped in packages must be transported in closed vehicles. During the winter when the outside temperature can drop below freezing, the product must be tempered at temperatures ranging between +5 °C to +35 °C for the duration of 24 hours prior to shipment.

ADR regulations do not apply to shipping.

Storage and Warranty

Plastic-coated Viplanyl® sheet metal must be stored in commercial cases protected against climatic conditions, especially moisture and radiative heat.

Up to twelve pallets may be stacked on one another (each weighing a maximum of 550 kg).

Proceed with caution when handling the product to prevent damaging the protective wrapping or the sheet edges. Using a forklift with adequate loading capacity is recommended. A lifting crane cannot be used due to the likelihood of causing damage to the sheet edges.

Occupational Safety and Health

Valid occupational safety and health regulations must be respected when handling the individual sheets. The regulations and directives specified for handling heavy loads must be respected when storing and transporting the pallets.

Technical Parameters:

Top layer	highly resistant and easy to weld (hot air) PVC layer
Load-carrying sheet	class DX51 galvanized steel
Bottom layer	protective coating

Processing

VIPLANYL® sheets are processed (cut, bent, formed etc.) in a similar manner as the sheet metal itself without the PVC layer with the only difference being that these sheets cannot be bonded by soldering or welding. Available bonding options are folding, lapping, or riveting. The minimum bending radius, which is equivalent to double the sheet thickness including the PVC layer, must be respected when bending the product.

We recommend protecting the product against contamination and climatic conditions until its use at the construction site.

Notice

Plastic-coated Viplanyl® sheet metal, or the PVC layer respectively, is not resistant to bitumen-, oil- and solvent-based substances.

Furthermore they must not be in permanent contact with liquids. The recommended temperature of the environment when welding plastic-coated Viplanyl® sheets with PVC-based water insulation foils using hot air is between +5 °C and +40 °C.

Waste

Applicable valid regulations must be followed for disposing of waste.

Maintenance

Viplanyl® sheet metal does not require any maintenance or reconditioning of the PVC layer throughout its entire service life.

Warranty

The manufacturer offers a 10-year warranty on the quality of the protective layer provided the recommendations specified herein are respected.

Legal Notice

All the above information is based on technical knowledge obtained by the manufacturer and is provided without any guarantees, to the best of the manufacturer's knowledge, as background data for the customer, not as the supplier's guarantee. The present technical data sheet applies to all orders for the product referred to as Viplanyl® placed from its issue up to its recall, where relevant, or change. The supplier reserves the right to modify the technical data sheet related to the present product.

All deliveries of goods according to this Technical Data Sheet are regulated by **General Business Terms and Conditions of company D PLAST a.s.** in wording valid and effective to the date of order and Customer undertakes by his order to respects these **General Business Terms and Conditions of company D PLAST a.s.** which are to be downloaded on the webside www.dplast.cz.