

# NEWSLETTER

Excerpt of recent articles from [www.Steeltags.com](http://www.Steeltags.com)

## New applications for Steeltags

- + Overcoming barriers
- self-adhesive labels for frozen surfaces and extreme humidity

We have always made efforts to widen the bandwidth of product properties that are available. For the identification with



self-adhesive labels this means to be able to ensure a good bond in different climatic conditions and to achieve good adhesion to a wide range of surfaces. Moisture, dust and oil represent barriers for adhesives – they prevent the adhesive from developing a permanent bond with the actual medium.

The new PK-80-651 and PK-50-701 GRAPHIPLAST® adhesives combine many of these properties in one product and help to create adhesive labels for a wide range of applications. They can be used, e.g. for sticking to surfaces affected by moisture and hoar frost. The selfadhesive labels adapt to the seasons – which makes life easier when fluctuations in ambient temperature occur.

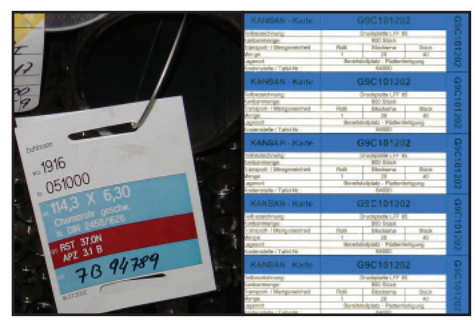
**Application:** Adhesion in freezing and high moisture conditions

**Your benefit:** Secure identification with universal adhesives

## Application technology & Hardware

- + Color printing with laser printers
- what to look out for?

Kanban cards, color codes for warehouse organization, hazard symbols – there are many examples for applications where color printing is used as an organisational means in identification. For printing systems, laser printers have emerged as the dominant technology. Color laser printers are increasingly entering the world of labels. What is there to look out for when printing labels on color laser



printers? Mainly, the systems are based on two principles. The basic option with a compact design has four toner stations with just one fusing unit and the advanced option has separate printing units and fusing stations. The important aspect for plastic materials and labels is that both systems have the facility to adjust the trays to heavy paper varieties. If this is not available, insufficient fusing of the toner can result.

**Application:** Software-controlled color identification with color laser printers

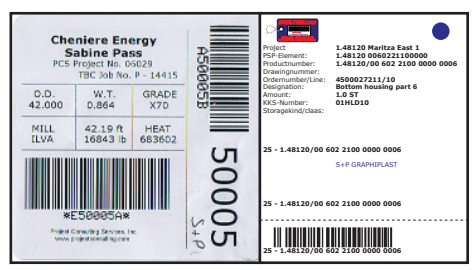
**Your benefit:** One label for different layouts

## SECURE PRODUCT IDENTIFICATION SOLUTIONS

### New Application

- + Engineering companies as logistics centers in supply chain management

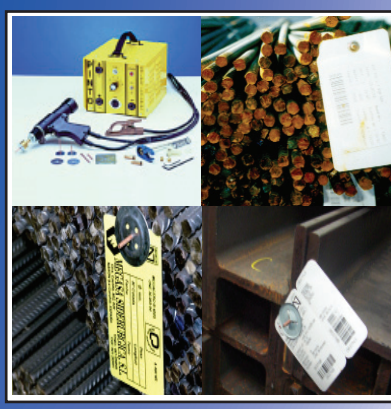
Parts identification in engineering companies is an extremely complex task. The machine parts configuration is at least as versatile as the accessories with which the shipping information and specifications are attached to the parts. A leading engineering company in the energy sector counts on automatic data capture via barcode for parts logistics. The best results for reliable data capture were achieved by a GRAPHIPLAST® combination label with multi-functional fastening options suitable for laser printers. Two self-adhesive sections are used for recording when the goods are received and to check against the delivery documents. Another special feature: the labels are individualized and sent to suppliers with the orders to ensure that the process of receiving goods in the plant runs smoothly and consistently.



**Application:** The versatile solution: combination label for parts logistics

**Your benefit:** Standardized labeling in the supply chain

**Please call or email us for questions.**  
Toll Free#1800-217-6215 - Direct# 305-867-6161  
[Harri@Steeltags.com](mailto:Harri@Steeltags.com)












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### LABELS FOR DIFFICULT SURFACES

Steeltags' special removable and unremovable industry-glues stick to oily surfaces, moist and porous concrete, rubber and wood. Surface Shield Technology covers printing and chemical agents peel-off, even when printed with Standard Office Printers. +++Printable with standard office printers selling at below \$1000.






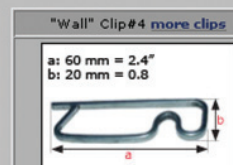
**Feel free to contact us for questions!**

 <p>Laser Label</p> <p>Long-term Weather Resistant</p>	 <p>Wet Concrete Surface Label</p> <p>Label for Uneven Concrete</p>	 <p>Thermal Transfer Label</p> <p>Concrete Walls Top</p>
 <p>Thermal Transfer Label</p> <p>Concrete Walls Front</p>	 <p>Low Budget Label</p> <p>Long Term Weather Resistant</p>	 <p>Label with Adhesive Back</p> <p>Removable</p>
 <p>Thermal Transfer Label</p>	 <p>Labels and Tags</p>	 <p>Oily Surface Label</p>

### PROFILES / SECTIONS

Heavy Profiles require identification that is securely attached and able to withstand the toughest environments. Batch identification of hot and cold rolled profiles has to survive the impact of severe weather, oil and rough transport over long distances. Steeltags solutions provide sticky labels for rough, oily surfaces. The Steeltags "Wall" Clip#4 attaches tags securely to the wall of profiles and sections. Surface Shield Technology covers printing and chemical agents peel-off, even if printed with Standard Office Printers. +++ Printable with standard office printers selling at below \$1000.

**Feel free to contact us for questions!**

 <p>Rusty Surface Label</p> <p>Withstands Rough Handling</p>	 <p>Oily Surface Label</p> <p>Long-Term Weather Resistant</p>	 <p>Top and Side Tag</p> <p>Tag with Adhesive Back</p>
 <p>Different Use Tag</p> <p>Can Also Be Included in Strapping</p>	 <p>Thermal Transfer Tag</p> <p>Tag attached with Wall Clip</p>	 <p>"Wall" Clip#4 more clips</p> <p>a: 60 mm = 2.4" b: 20 mm = 0.8"</p> <p>Fixes Tags Securely</p>

## New applications for GRAPHIPLAST®

### + GRAPHIPLAST® 7377 – developed further

Worldwide shipping of hot-rolled products places high demands on identification.



In the rolling mill, labeling starts at high temperatures (1100 °F max.) and due to high mechanical stress during loading and transport, a robust solution is required. The new, stronger GRAPHIPLAST® 7377 in 180 µ has virtually unlimited tear resistance. The improved properties such as the label's stability make it an ideal data carrier for automatic data capture via barcode.

Numerous customers have confirmed to us: GRAPHIPLAST® 7377 is the modern replacement for embossed metal tags.

**Application:** Secure identification at 1100 °F

**Your benefit:** Barcode labeling at 1100 °F using conventional printers

## 7377 - New Application

### + Turkish wire rod manufacturer goes for two-track solution

Turkey is a booming market. Local companies export a high percentage of their products and try to meet the requirements of the receiving countries. For wire rods this poses quite a challenge. The use of modern labeling solutions has not been possible up to now due to the high temperatures of up to 1100 °F. Since 2006, S+P have been offering an alternative to metal tags with their GRAPHIPLAST® 7377 material. Instead of rigid embossed metal tags, flexible, printable data carriers and barcodes are being used. As an economic option, two different products can be used: in areas where the maximum temperature is up to 600 °F, GRAPHIPLAST® 75250 is used as a proven and cost-saving solution. The combination of both materials offers an optimum cost/performance ratio.



**Application:** Barcode identification for wire rods

**Your benefit:** Labeling to international standards



**Optimized Thermal Transfer Printers**  
For Considerable Improvements in Printing at \$999

**Specialty Ribbons:**  
Optimizing Scratching and Other Resistance Parameters.

**Heavy Duty Clips / Other Tag Attachment Solutions:**  
The Secure Identification Solution requires 100% Secure Fixing of Tags to Bundles.

We have a wide range of products for applications in steel, metals and related industries.