



# ROAD MARKING PAINTS HANDBOOK



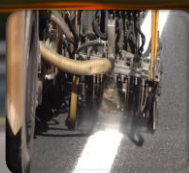






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# Visever - The Paint that marks the Line



VISPRAY

VIXTRUDER

VISACRYL

VISAQUA

VISCOMPONENT  
M

VISCOMPONENT  
I:I



**VISEVER**



# VISPRAY

## Hot-Melt Thermoplastic Road Marking Spray

### DESCRIPTION:

VISPRAY is an advanced thermoplastic road marking material designed to meet the performance requirements of UNE EN 1436. VISPRAY is manufactured and certified according to UNE EN 1871 and is supported by Durability Certificates to UNE EN 13197. VISPRAY offers a consistent melt viscosity, giving lines with excellent definition and long-term durability.



### USES:

VISPRAY is designed for line marking on bitumen pavements. Especially recommended for its use in highways. Relining upon thermoplastics, acrylic paints. A sealer is needed on concrete pavements.

### BENEFITS:

Fast drying.  
Highly durable.  
No interference to the traffic.  
Adjustable to customer requirements.  
Can be reflectorized with glass beads.  
Excellent adhesion to bitumen surfaces.  
Available in colors.

### COLORS:

White. Yellow. Red. Blue.

### SURFACE PREPARATION:

Surfaces must be clean, dry and free from any contamination, including dirt, oil, grease, moisture and curing agents. It is recommended that a small trial is carried out before full application.

### NORMATIVE:

Complies with UNE-EN 1871, UNE 135200.

Road markings constructed with this product complied with UNE-EN 1436.

### PRODUCT APPLICATION:

The maximum safe heating temperature of 220 °C should never be exceeded.

VISPRAY is suitable for application by spray methods with adequate thermoplastic machines provided. They are able to heat the material up to 200 °C.

Thermoplastic must be placed into a pre-heater fitted with a mechanical stirrer and thermometer. When the material has been heated to the required application temperature (see Technical Information), carefully transfer to the application equipment and proceed with use.

Melted materials may be re-heated and used after solidifying, providing the total time in the molten state has not exceeded 6 hours. Heating should be gradual to avoid scorching.

VISPRAY should be laid to a thickness of 1.5 mm which yields approximately 3Kg/m<sup>2</sup>.

### TECHNICAL FEATURES:

Application Temperature: 180-200°C.

Softening point (ring & ball method): SP3 > 100° C.

Specific Gravity: Approximately 2.0

Luminance Factor: LF6

Durability (as per EN 13197): P7

Road marking type: I y II

### PACKAGING AND STORAGE:

VISPRAY is supplied in 500 kg big bags or in 22 or 25 kg plastic bags.

Store in a cool, dry, well-ventilated place.

Shelf life is 12 months under normal conditions.

### HEALTH AND SAFETY:

See separate Safety Data Sheet.



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VISPRAY

# VIXTRUDER

## Raised Profile Thermoplastic Road Marking Material

### DESCRIPTION:

Thermoplastic road marking material designed to provide the road user with sensory inputs to warn of danger.

When applied mechanically through special extrusion equipment, VIXTRUDER will form transverse raised 'ribs' at regular intervals.



### PRODUCT APPLICATION:

The maximum safe heating temperature of 220°C should never be exceeded.

Heating above the recommended pouring temperature or prolonged heating should be avoided otherwise deterioration of the pigment and the resin binder may occur. VIXTRUDER should be applied by the extrusion method using special equipment. The material has to be placed into a pre-heater fitted with a mechanical stirrer and thermometer. When the material has been heated to the required application temperature (see Technical Data), carefully transfer to the application equipment and proceed with use.

Melted materials may be re-heated and used after solidifying providing the total time in the molten state has not exceeded 6 hours. Heating should be gradual to avoid scorching.

Spacing of the ribs can be varied but tests have shown that 250mm spacing gives the optimum performance under most conditions. The ribs are usually 4-5 mm in height.

### TECHNICAL FEATURES:

Application Temperature: 180-200°C.

Softening point (ring & ball method): SP3 > 100° C.

Specific Gravity: Approximately 2,0.

Luminance Factor: LF6.

Durability (as per EN 13197): P7.

Road marking type: I y II.

### PACKAGING AND STORAGE:

VIXTRUDER is supplied in 500 kg. big bags or in 25 kg. plastic bags.

Store in a cool, dry, well-ventilated place.

Shelf life of 12 months under normal conditions.

### HEALTH AND SAFETY:

See separate Safety Data Sheet.

### USES:

As a road edge line marking, giving sensory safety warnings of impending danger by visible, audible and vibratory means.

For special road marking giving reflexive properties in wet night visibility (road markings type II).

### BENEFITS:

Day and night good visibility.

Good visibility in raining conditions.

The profile gives an uncomfortable security warning sound and vibration when being rolled over.

Can warn of driver fatigue. Excellent adhesion to asphalt.

Available in colors.

### COLORS:

White. Yellow.

### SURFACE PREPARATION:

Surfaces must be clean, dry and free from any contamination, including dirt, oil, grease, moisture and curing agents. It is recommended that a small trial is carried out before full application.

### NORMATIVE:

Complies with UNE-EN 1871, UNE 135200.

Road markings constructed with this product complied with UNE-EN 1436.



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VIXTRUDER

# VISACRYL

## Acrylic Road Marking Paint

### DESCRIPTION:

A versatile and cost-effective solvent-based line marking paint optimized for application by spray machinery.

VISACRYL is durable and can be made reflective by applying glass beads onto the wet surface.



### PRODUCT APPLICATION:

VISACRYL is suitable for application by airless spray, conventional spray machines, roller or brush.

Stir before use. One application should be sufficient under normal conditions, depending on the texture of the surface. If reflectorization is needed, apply glass beads to the surface of the wet line immediately after application. Equipment can be cleaned using solvent as toluene.

### USES:

VISACRYL is designed for line marking on bitumen and concrete pavements at interurban ways.

Relining upon thermoplastics, acrylic paints and on new concrete pavements with cautions.

### BENEFITS:

Fast drying.  
Durable.  
Cost-effective.  
Easy to apply by spray, roller or brush.  
Can be reflectorized with glass beads.  
Good adhesion to most surfaces.  
Available in a range of colors.

### TECHNICAL FEATURES:

Drying time: Less than 30 minutes.

Specific gravity: Approximately 1.6.

Luminance factor: LF7.

Durability (as per EN 13197): P7.

Road marking type: I and II.



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### COLORS:

White. Yellow. Red. Blue. Green. Black.

### SURFACE PREPARATION:

Surfaces must be clean, dry and free from any contamination, including dirt, oil, grease, moisture and curing agents.

It is recommended that a small trial is carried out before full application.

### PACKAGING AND STORAGE:

VISACRYL is supplied in 27 kg. homologated pails

Store in a cool, dry, well-ventilated place.

Shelf life is 10 months under normal conditions.

### NORMATIVE:

Complies with UNE-EN 1871, UNE 135200.

Road markings constructed with this product complied with UNE-EN 1436

### HEALTH AND SAFETY:

VISACRYL is a flammable liquid and should be only used in areas with good ventilation. Keep away from sources of ignition. No smoking.

See separate Safety Data Sheet.

VISACRYL

# VISAQUA

## Waterborne Road Marking Paint

### DESCRIPTION:

Waterborne road marking paint is an environmentally friendly product that gives durable traffic markings based on proven emulsion technologies.

Formulated for use in a wide range of applications from highways and crosswalks to parking lots, stop bars and legends. Waterborne can be applied as low as 10°C to as high as 40°C.

Suitable for application on both bituminous and concrete roadways and can be sprayed with both conventional spray equipment or airless. VISAQUA is durable and can be made reflective by applying glass beads onto the wet surface.



### BENEFITS:

Low VOC, rapid dry formula, non-flammable. Reduces and cleans with water. Excellent atomization and application characteristics. Dries to a durable, abrasion resistant finish. Can be reflectorized with glass beads. Range of 6 bright colors.

### COLORS:

White. Yellow. Red. Blue. Green. Black.

### SURFACE PREPARATION:

Surfaces must be clean, dry and free from any contamination, including dirt, oil, grease, moisture and curing agents. It is recommended that a small trial is carried out before full application.

### NORMATIVE:

Complies with UNE-EN 1871, UNE 135200.

Road markings constructed with this product complied with UNE-EN 1436.

### PRODUCT APPLICATION:

VISAQUA is suitable for application by airless spray, conventional spray machines, roller or brush.

Stir before use. One application should be sufficient under normal conditions, depending on the texture of the surface.

If reflectorization is needed, apply glass beads to the surface of the wet line immediately after application.

Equipment can be cleaned using water or ethanol.

### TECHNICAL FEATURES:

Drying time: Around 15 minutes.

Specific gravity: Approximately 1.7.

Luminance factor: LF7.

Durability (as per EN 13197): P6.

Road marking type: I and II.

### USES:

VISAQUA is designed for line marking on bitumen and concrete pavements. Interurban ways.

Relining upon thermoplastics, acrylic paints. New concrete pavements with precautions

### PACKAGING AND STORAGE:

VISAQUA is supplied in 27 kg. homologated pails.

Store in a cool, dry, well-ventilated place.

Shelf life is 10 months under normal conditions.

### HEALTH AND SAFETY:

See separate Safety Data Sheet.



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VISAQUA



# VIS

## 2 Components Hand Application

### DESCRIPTION:

A two component road marking based on methyl methacrylate technology. It is highly durable and is suitable for night visibility markings.

The product can be supplied in two versions, normal reflective or extra antiskid version.

### USES:

VISCOMPONENT-M is designed for use in areas with high traffic wear such as zebra crossings, roundabouts, box junctions, give way lines and heavily trafficked roads. Relining upon thermoplastics, acrylic paints, cold plastic. Excellent adhesion over most substrates.



### BENEFITS:

Fast drying.  
Durable.  
Cost-effective.  
Can be reflectorized with glass beads.  
Good adhesion to most surfaces.

### COLORS:

White. Yellow. Red. Blue. Green. Black.

### SURFACE PREPARATION:

Surfaces must be clean, dry and free from any contamination, including dirt, oil, grease, moisture and curing agents.

It is recommended that a small trial is carried out before full application.

### NORMATIVE:

Complies with UNE-EN 1871, UNE 135200.

Road markings constructed with this product complied with UNE-EN 1436.

# COMPONENT - M

## Road Marking Cold Plastic

### PRODUCT APPLICATION:

VISCOMPONENT-M is suitable for application by hand or trowel application.

Add a bag of peroxide to the product, then stir the mixture for 1 minute. Get ready to use the product activated in a maximum of 7 minutes, depending on the road and product temperature.

Remove any paper necessary for pre marking as soon as possible. If reflectorization is needed, apply glass beads to the surface of the wet line immediately after application.

Equipment can be cleaned using solvent as toluene before the product has reacted.

### TECHNICAL FEATURES:

Drying time: Less than 30 minutes.

Specific gravity: Approximately 2.

Luminance factor: LF6.

Durability (as per EN 13197): P7.

Road marking type: I and II.

### PACKAGING AND STORAGE:

VISCOMPONENT-M is supplied in 18 kg homologated pails.

Store in a cool, dry, well-ventilated place.

Shelf life is 6 months under normal conditions.

### HEALTH AND SAFETY:

VISCOMPONENT-M is a flammable liquid and should only be used in areas with good ventilation.

Keep away from sources of ignition. No smoking.

See separate Safety Data Sheet.



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VISCOMPONENT M

# VIS 2C Cold Spray Plastic

# COMPONENT 1:1 Machine Application

## DESCRIPTION:

A 2-component, solvent-free reactive methyl methacrylate, cold spray plastic for permanent markings on bituminous pavements and concrete.

## USES:

VISCOMPONENT 1:1 is designed for use in areas with high traffic, such as zebra crossings, roundabouts, box junctions, give-way lines and heavily trafficked roads.

Relining upon thermoplastics, acrylic paints, cold plastic. Excellent adhesion over most substrates.

Marking of most heavily loaded areas of city roads network, mostly pedestrians' walkways, stop lines, arrows and other large scales areas markings. It gets dry very fast that is why the traffic is closed for very short period of time.



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## BENEFITS:

Quick drying-traffic release after 30 min.

High whiteness and long-time retro-reflective life.

Excellent resistance to abrasion and weathering.

Good adhesion, gasoline, oils, salt and water resistance.

Range of 6 bright colors. Does not contain organic solvents.

## COLORS:

White. Yellow. Red.

## SURFACE PREPARATION:

Surfaces must be clean, dry and free from any contamination, including dirt, oil, grease, moisture and curing agents. It is recommended that a small trial is carried out before full application.

## NORMATIVE:

Complies with UNE-EN 1871, UNE 135200. Road markings constructed with this product complied with UNE-EN 1436.

## PRODUCT APPLICATION:

VISCOMPONENT 1:1 is suitable for application by special 1:1 airless machine assuring an intimate mixture in ratio 1:1 between the parts A and B of the system

Add a 4.7% to 7.0% of peroxide over the B component (among 1400 and 2100 g), then stir the mixture for 1 minute. Ensure a perfect and uniform mixture of the parts A and B along the full extent of the road marking. The B product activated with the peroxide can be usable a minimum of 3 hours depending on the product temperature.

If reflectorization is needed, apply glass beads to the surface of the wet line immediately after application.

Equipment can be cleaned using solvent as ethyl acetate.

Do not ever dilute the product with any kind of solvent or thinner.

Do not exchange the position of parts A and B in the application machine.

**Warning! Do not ever add the curing agent over the part A.**

## TECHNICAL FEATURES:

Drying time: Less than 30 minutes.

Specific gravity: Approximately 1.7.

Luminance factor: LF6.

Durability (as per EN 13197): P7.

Road marking type: I and II.

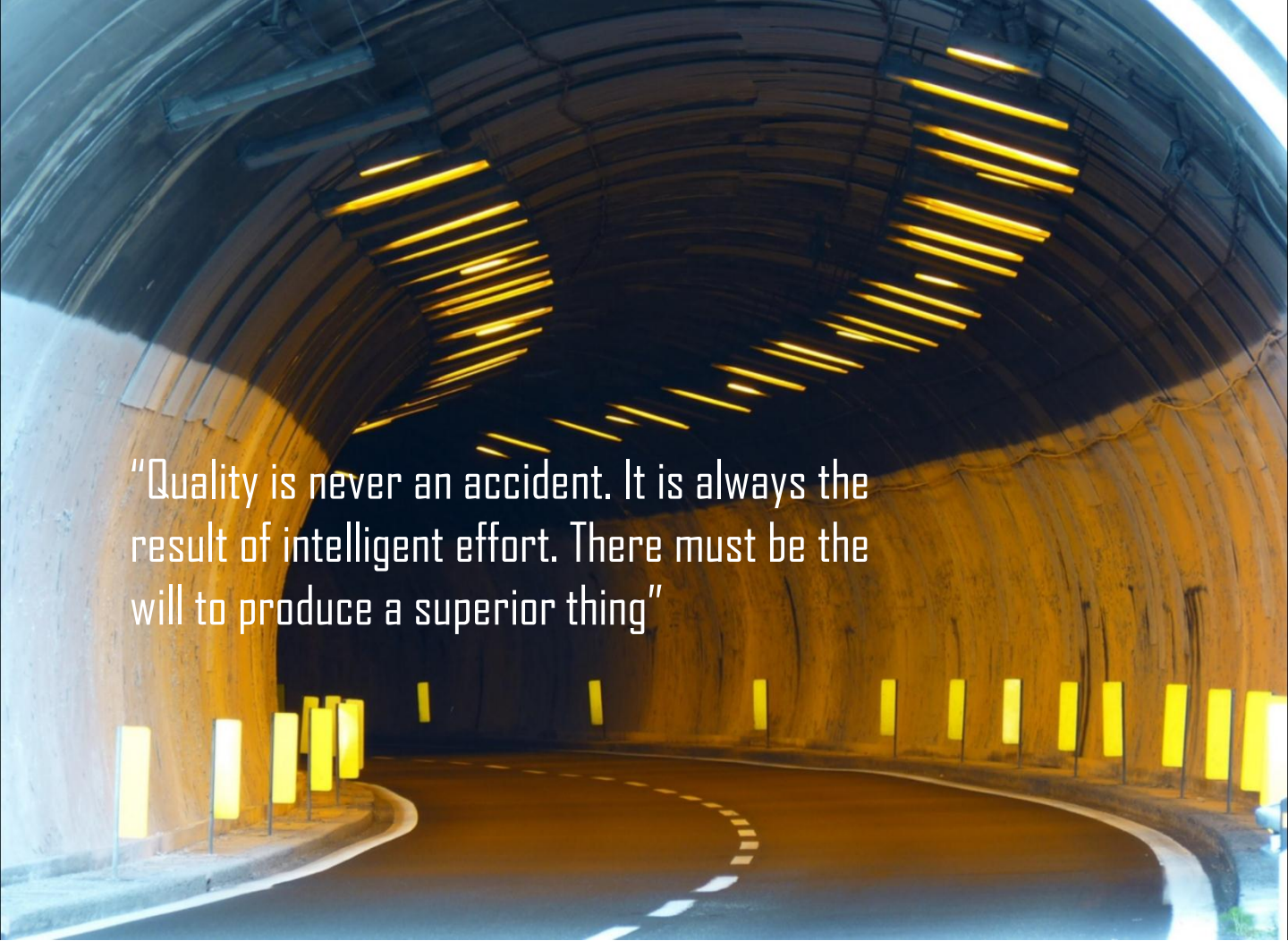
## PACKAGING AND STORAGE:

VISCOMPONENT 1:1 is supplied in 27 kg. homologated pails. Separate pails A than B component and peroxide.

Store in a cool, dry, well-ventilated place. Shelf life is 8 months under normal conditions.

## HEALTH AND SAFETY:

VISCOMPONENT 1:1 is a flammable liquid and should only be used in areas with good ventilation. Keep away from sources of ignition. No smoking. See separate Safety Data Sheet.



"Quality is never an accident. It is always the result of intelligent effort. There must be the will to produce a superior thing"

Road Marking Paints certified by:

ISO 9001

**BUREAU VERITAS**  
Certification





HOW DO WE DO IT?

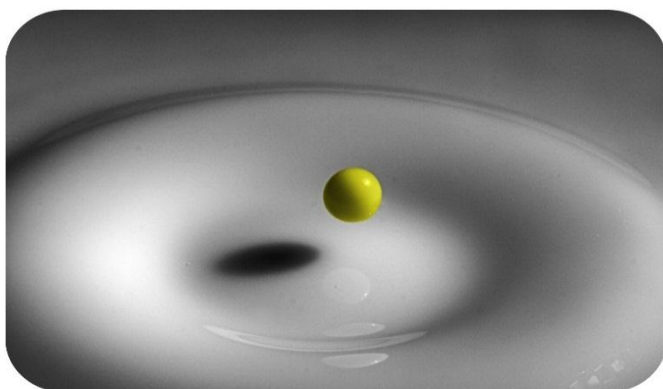
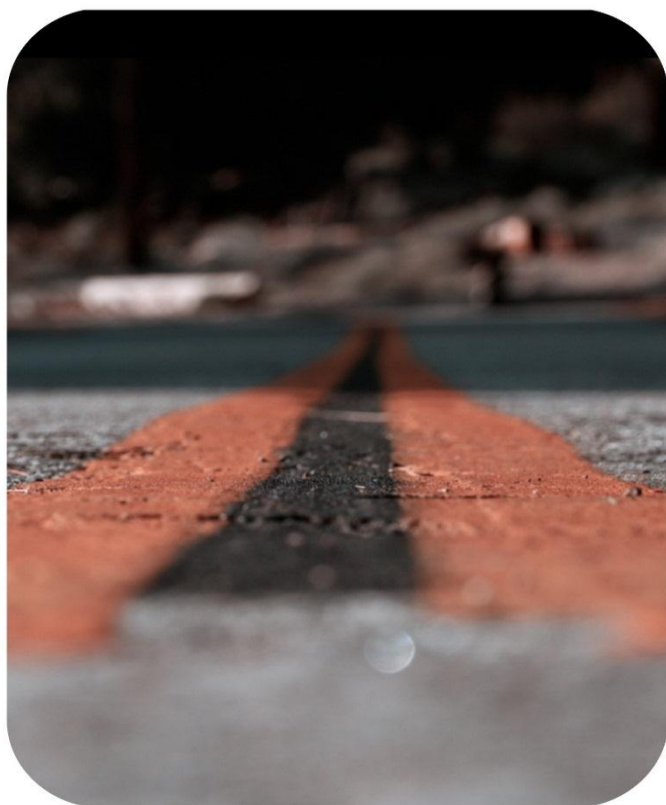
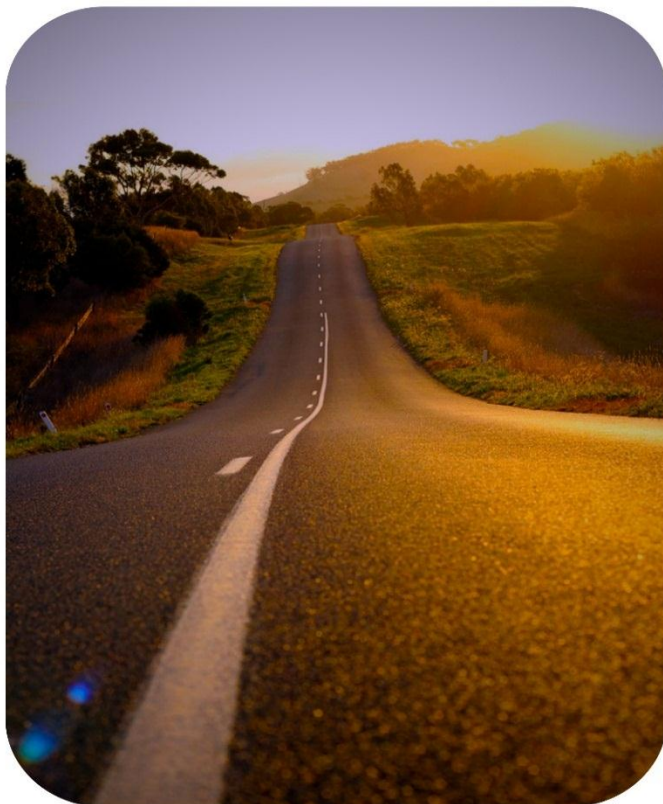


THERMOPLASTIC PAINT APPLICATION



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**PINTURAS**



**VISEVER**

**CARRETERAS**





The Paint that marks the Line