

# DiffuOne

## Product description

Hagmans DiffuOne is an easy-to-use, durable one-layer 1-3 mm, 2-component epoxy coating. The coating is suitable for industrial, trade and garage floors, parking garages, etc. where concrete substrates may become damp.

## TECHNICAL DATA:

Density	A:1.05 B:1.8 Mixed:1.56
Binding agent	Epoxy/polyamide-epoxy addukt
Gloss	20
Material consumption	1.56 - 4.68 kg/m <sup>2</sup>
Application temperature	Floor temperature minimum +10
Painting tools	Toothed trowel/steel brim
Life cycle	90 min.
Mixing proportion	3:1 weight
Water permeability	Diffusion-open
Cleaning/dilution	Water
Potlife	One year
Usable	3 days
Cured	7 days

## Preparation

New concrete floors must cure for at least one week, be dry and free of dirt, oil, etc. The concrete skin must be removed e.g. by diamond grinding. Grinding means a risk that large hidden pores (pinholes) will be exposed that will cause bubbles or craters in the coating. To avoid this prime once or twice with DiffuOne diluted with 15 % water. Wait 2 hours and then check the floor for pinholes. If the surface looks good the coat may be applied. When painting over existing paint wash the surface first with Hagmans Floor Wash and grind matte with a cleaning machine equipped with a black grinding pad (3M) or a grinding net (80) to remove all loose-sitting paint.

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## Application

Always use protective clothing and eye goggles. Mix the A and B components thoroughly. Electrical or pneumatic machine mixers should be used, e.g. low-speed drills with a suitable mixing blade. Be careful to never divide the batches up.

Pour the compound onto the floor. Spread using a toothed trowel with rounded stamps (approx. 3 kg/m<sup>2</sup>). Use a spike roller within a period of 3-30 minutes after application.

The surface coating may be exposed to lighter foot traffic after approx. 20 hours and to car traffic after approx 3 days (depending on the temperature). The product is completely cured after 7 days. The floor temperature may not fall below +10 °C.

If a high gloss coating is desired, then apply a coat of Floor Paint EP-V as a top layer.

## Greater durability

To lay a surface with greater durability, be able to paint on concrete with a heightened moisture content and to provide a slip-free surface as in e.g. a parking garage, do the following:

New concrete floor must cure for at least one week, be dry and free from dirt, oil, etc. The cement skin must be removed by e.g. diamond grinding. Grinding means a risk that large hidden pores (pinholes) will be exposed that will cause bubbles or craters in the coating. Always prime clean concrete once using DiffuOne diluted with 15 % water. Then wait 2 hours before applying the coating.

Spread the compound using a toothed trowel with rounded stamps that give approx. 3 kg/m<sup>2</sup>. Strew or apply (spray gun/battery-run leaf blower) 0.5-1 kg/m<sup>2</sup> bauxite (hardest) or DK-sand, coloured sand with a grain-size of 0.5-1.4 mm. This should be done within 30 minutes.

For more information about DiffuOne - contact Hagmans Nordic AB

CE	
Hagmans Nordic AB Box 112 51110 Fritsla	
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EN 1504-2	
38207-003	
Product for the protection of concrete surfaces Coating	
Fire classification	BrS1
Permeability to water vapour	Class 1
Capillary absorption and permeability to water	$W < 0.1 \text{ kg/m}^2 \text{ h}^{0.5}$
Adhesion strength	$> 2.0 \text{ N/mm}^2$
Abrasion resistance	$< 3000 \text{ mg}$
Resistance to severe chemical attack	Class 1
Impact resistance	Class 1