

TECHNICAL DATA



Epoxy Vinyl System Broadcast

DESCRIPTION AND USES

DUOFLAKE is a vinyl epoxy flooring system that provides seamless decorative finish.

Versatile, DUOFLAKE is recommended for application in garages, mechanical rooms, washrooms, hallways, machine shops, laundries, kitchens, auditoriums, and in all areas where an architectural finish combined with chemical resistance are required.

DUOFLAKE is a system that can be easily applied with a squeegee and roller. It is composed of a self-levelling epoxy resin in which coloured vinyl flakes are broadcast prior to application of a protective finish.

CHARACTERISTICS

- Aesthetic
- Odourless system
- Easy to clean
- Thin, light and seamless
- Wear resistant
- Chemical resistant
- Wide range of colours and finishes
- Meets environmental requirements

APPLICATION INSTRUCTIONS

Substrate must be hard, dry and free of all contaminants.

Concrete : Mechanical cleaning or acid etch, depending on conditions.

Wood : Hard, dry and clean. Light sanding if needed.

Steel : Sandblasting.

In case of doubt, consult DUOCHEM.

Primer

Apply a thin coat of RESOSEAL with a roller or flat squeegee at approximately 6.5 m²/l (265 ft²/US gal) for a dry thickness of 150 microns (6 mils).

DUOFLAKE

Binder

Approximately 45 minutes after installation of primer, apply a second coat of RESOSEAL with a notched squeegee at the rate of approximately 3.3 - 3.9 m²/l (135 - 165 ft²/US gal) for a thickness of 250 - 300 microns (10 - 12 mils). Backroll to level.

Vinyl flakes

Broadcast vinyl flakes immediately (maximum of 30 minutes after application of binder) at approximately 70 gr/m² (23 oz / 100ft²) to obtain a partial flake look. For greater colour density, broadcast vinyl flakes to full saturation with 400-500 gr/m² (8-10 lbs/100 ft²).

Top coat

After binder has dried hard, apply 2 thin coats * from the Duochem 6030/32/35 series of the aqueous topcoats, according to degree of gloss desired. If needed, consult the technical data sheets for these products.

Saturation

When surface is saturated with vinyl flake, it is necessary to apply a thick coat (250 - 300 microns / 10 - 12 mils) of DUOCHEM 5205 clear prior to installation of any other topcoat. To ensure a long-lasting system, it is necessary that vinyl flakes are entirely encapsulated.

* Duochem offers many other finish coats that can be used according to desired appearance and properties. If more information is needed, consult your sales representative.

PRECAUTIONS

- Refer to Material Safety Data Sheet prior to use.
- Do not apply material if temperature is below 13°C (55°F).
- Provide adequate ventilation.