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Advanced Materials

RenGel® SV 409 / Ren® HY 5159

Gelcoat Resin

DATA SHEET

KEY PROPERTIES

- **Polishable material**

APPLICATIONS

- Production moulds for the lay-up of cold-setting self coloured epoxy laminates with a high-gloss surface finish

PRODUCT DATA

Property	Unit	RenGel® SV 409	Ren® HY 5159
Appearance Colour	**visual**	Opaque, beige	Clear liquid Pale yellow
Viscosity at 25ºC	**mPa s**	Thixotropic	150 - 250
Density	**g/cm^3**	ca. 1.24	0.98

PROCESSING

Mix ratio	Parts by weight
RenGel® SV 409	100
Ren® HY 5159	17

Mix the two components thoroughly in the ratio indicated.
Apply in thin layers with a brush or spatula, wait until gelcoat has gelled, but ensure that it is still slightly tacky before proceeding. Post-curing will improve final properties.

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PROPERTIES

Resin/Hardener mix:	Volume	Unit	SV 409 / HY 5159
Appearance			Greenish brown
Pot life at 25ºC	**250 ml**	min	25 - 30
Demoulding time		h	12 - 14

After cure: 7 days at RT or 14 hours at 40 °C

Density	**ISO 1183**	g/cm^3	1.2
Hardness	**ISO 868**	Shore D	80
Deflection temperature	**ISO 75**	°C	60 - 65

STORAGE

The resin and hardeners described in this instruction sheet have the shelf lives shown provided they are stored at 6 - 28ºC in a dry place and sealed containers, preferably those in which they are supplied.

WORKING CONDITION

The products should be handled when in the temperature range of 20 - 25°C.

PACKAGING

System	RenGel SV 409	Ren HY 5159
Quantity and Weight	10 Kg	6 x 800gr

HANDLING PRECAUTIONS

Caution

Our products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. These precautions are described in greater detail in the Material Safety Data sheets for the individual products and should be referred to for fuller information.

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