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ADSIL CASE GRADE

ADSIL CASE GRADE is an addition-curing **RTV Silicone** mouldmaking rubber that has been developed specifically for the production of case moulds used for the production of plaster moulds used in the production of ceramic tableware.

ADSIL CASE GRADE is characterised by good strength, extremely high elongation and long term stability. It is available in 22 and 220 Kg kits.

ADSIL CASE GRADE is formulated to provide an intermediate hardness coupled with excellent handling and mechanical properties.

PROPERTIES

Mixing Ratio A:B (volume)	8.9:1
Mixing ratio A:B (weight)	10:1
Colour	Red
Mixed viscosity	21,000cps (viscosity increases on storage)
Density	1.12
Gel time @ 25 C	70 minutes
Hardness Shore 'A' (7 days R.T.)	32
Demould time @25C	18 hours/overnight
Tensile Strength	6.7 M.Pa.
Elongation at break	750%
Shrinkage under room temperature cure	<0.05%
Tear Strength	21 N/mm
Shelf life	12 months when stored in clean & dry conditions

INSTRUCTIONS FOR USE

Weigh the individual components on accurate scales. For optimum performance and material properties, the ratios of 'A' to 'B' should be better than +/- 3%. Mix intensively until the mixture is a homogeneous, creamy mass. It is strongly recommended that the mixed material should be poured into a second mixing vessel and remixed before pouring or degassing. Always mix in a vessel at least 5 times the volume being mixed. Failure to do so can lead to loss of material on degassing. If the surface has a 'marbled' finish on the surface following degassing, this is cosmetic but may be cured by stirring briefly and performing a secondary degassing.

Degas before pouring into the mould. If the master shape is a complex one or has undercuts, the mould should be subjected to a second degassing operation. Work quickly.

Inhibition is a source of problems for all Addition-curing RTV Silicones. Certain chemicals will interfere with the curing process, and in some instances can destroy the ability of the RTV to cure completely. Avoid tin based materials, sulphurous e.g. Natural rubber (including natural rubber gloves), neoprene and other materials that are well documented. If a cast is found to be sticky, cut the mould in half. If the centre of the mould is cured and dry, it proves the presence of surface inhibition.

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