

Rhenocure® DOTG/C
Standard accelerators

Function	Primary or secondary accelerator for the vulcanization of natural and synthetic rubber; sensitiser for latices	
Product description	Composition:	Di-ortho-tolylguanidine
	Appearance:	white to very light grey, low-dusting powder, oil damped
	Density, 20 °C:	approx. 1.18 g/cm ³
	Ash content:	max. 0.3 %
	Solubility:	slightly soluble in toluene and acetone, insoluble in water and benzene
	Physiological properties:	see safety data sheet

Use

Mode of action: Rhenocure DOTG/C is an accelerator for all rubbers with very slow scorch and relatively low cure times. If Rhenocure DOTG/C is the only accelerator used, an effective antioxidant should be added. Rhenocure DOTG/C has a synergistic effect when used as a synergistic effect when used as a secondary accelerator in combination with mercapto, thiuram and dithiocarbamate accelerators, increasing the degree of crosslinking and cure times. Vulcanizates with high mechanical values and good ageing and reversion resistance are obtained. Rhenocure DOTG/C is only slightly effective in IIR and EPDM.

Processing: Rhenocure DOTG/C is very easy to incorporate and disperses perfectly, although the product does not usually melt because of its high solidification point. Zinc oxide should be added to compounds containing Rhenocure DOTG/C. Stearic acid acts as a retarder in compounds containing guanidine accelerators. Proportions greater than 1.0 wt. % also have an adverse effect on mechanical properties.

Dosage: Because Rhenocure DOTG/C has such a wide range of applications, only a few examples can be given here to give a general idea.

in NR (to 100 phr rubber):
 2.2 - 4.0 phr sulphur
 + 0.5 - 2.0 phr Vulkacit DM
 + 0.2 - 2.0 phr Rhenocure DOTG/C

in SBR:
 2 - 3 phr sulphur
 + 1 - 2 phr Vulkacit DM

+ 0 - 2 phr Vulkacit CZ
+ 0.5 - 1.5 phr Rhnocure DOTG/C

Application: Thick-section rubber articles such as roller coverings; technical rubber articles of all types

Packing 20 kg paper bags

Storage stability If kept in a cool, dry place in original sealed containers, the product has a shelf life of approx. 1 year.

Handling Consult material safety data sheet (MSDS) for additional handling information on Rhnocure DOTG/C

® = registered trade mark

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liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

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