



SILICONE COATING AGENT TOA ACRON XS-3623TL

TOA Resin Co., Ltd.

(1) Specification

Appearance	:	colorless transparent viscid solution
Main Composition	:	Organo Polysiloxanediol, Methyl Hydrodine Polysiloxane
Solid Content %	:	26.0 ± 3.0
Solvent	:	toluene
Viscosity	:	18,000 ± 4,000 cps (20 °C)
Characteristics	:	Well compatible with TOA ACRON SA

(2) Usage

(A) Standard Recipe with Single Component:

XS-3623TL	100.0 parts
Catalyst XS-73	1.6 parts
Catalyst XS-69	1.6 parts

(B) Reference Standard Recipe with Multicomponent:

Acrylic Solution	100.0 parts
Isocyanate	2.0 parts
XS-3623TL	3.0 ~ 6.0 parts
Catalyst XS-73	0 ~ 0.1 parts
Catalyst XS-69	0 ~ 0.1 parts

【Notice】

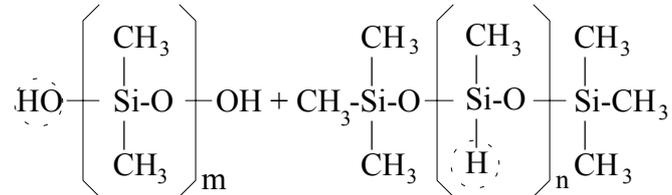
1. XS-73(catalyst which prompts the formation of the film):
Main ingredient Octyl Stannum Compound
Solvent 50~60% toluene
2. XS-69(catalyst which provides an improvement on adhesion) :
Main ingredient Silane coupling agent
Solvent 80~90% isopropyl alcohol



TOA ACRON XS-3623TL

(1) Main Agent : XS-3623TL

Main Composition : Organo Polysiloxanediol, Methyl Hydrodine Polysiloxane



(2) Catalyst : XS-73

Main Composition : Octyl Stannum Compound

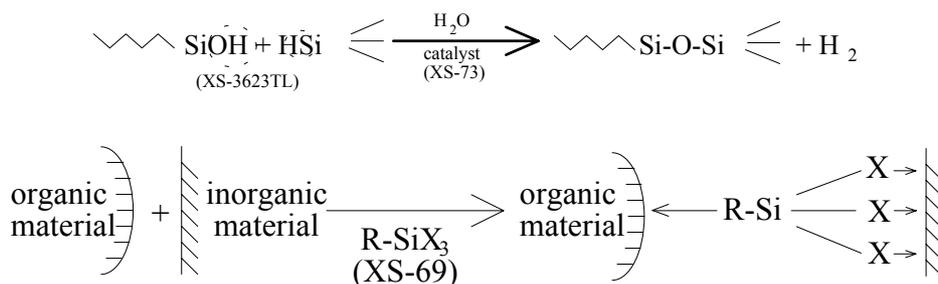


(3) Additive : XS-69

Main Composition : Silane Coupling Agent



(4) Crosslinking Mechanism



※ XS-69 has binding effect between organic and inorganic material and provides excellent adhesive property.

※ XS-73 is a catalyst for $[-\text{OH} + -\text{NCO} \longrightarrow]$ reaction, so the pot-life will be shortened if XS-73 is added. But it could be improved by adding IPA (isopropyl alcohol) which supplies -OH group.

【Suggestion】 IPA added is about 1 to 2 weight percentage of total composition, if needed.