



I.R.S.

**RUBBER
HARDWARE
TAPES
SEALANTS**

Version 4 – 15.03.2010

TECHNICAL DATA SHEET

Prosil 20 **100% Acetic RTV Silicone Adhesive-Sealant**

Product Description

Admil's Prosil 20 silicone sealant is an acetic one-part moisture curing high performance industrial RTV silicone. It is a high strength 100% silicone designed for general purpose glazing and sealing applications where long-term reliability is required. It can also be used in the manufacturing of aquariums, and has superior chemical, and temperature performance compared to neutral silicones.

It is unaffected by high and low temperatures and its superior physical properties are retained over many years exposure

Product Features

Prosil 20 has excellent adhesion to most common building materials including : glass, aluminum, , wood, ceramics plastics, and most powder coated surfaces, but is not recommended for galvanized steel, and concrete, in these cases use Prosil 10

3-6 minute skin time

Low Slump

Movement capability + 25%

High Temperature resistance up to 205°C

Suitable for food applications (Check FDA regs)

Applications

Prosil 20 is ideal in applications such as :

Automotive gaskets, Industrial assembly, Sealing environmental and refrigerated rooms, sheet metal, skylights, ventilators, and air-conditioning units. Assembly of metal/plastic signs. Weather proofing, and aquariums.

Approved to BS5889, and is food approved.

Typical Product Data

PROPERTY	VALUE
METHOD	Acetic 100%
SAG/SLUMP	NO SLUMP (0.1% Max)
HARDNESS (ASTM D2240)	29 SHORE A
TENSILE STRENGTH (PSI)	320
DYNAMIC JOINT MOVEMENT	± 25%
ELONGATION %	400
SKIN TIME @ 25°C & 50% RH	3-8 minutes
CURE TIME 10MM @ 25°C & 50% RH	5-7 days
OPERATING TEMPERATURE RANGE	-60 to 205°C
SPECIFIC GRAVITY	1.04

Values given in this list should not be used as specifications.

Cured 21 days @23°C and 50% R.H.



Electrical Typical Properties	Value
Dielectric Strength,kv/mm(v/mil)	20 (500)
Dielectric Constant @ 60 Hz	2.9
Dissipation Factor @ 60 Hz	0.0026
Volume Resistivity, ohm-cm	2.5 x 10 ¹⁴ (1)

Surface Preparation

All surfaces must be clean, dry, sound, and free from dust, oil, rust, or any other contamination. Metals should be cleaned with a non-oily solvent soaked clean cloth. Solvent should be wiped from the surface with a clean dry cloth. Use an alcohol such as methylated spirits on glass. When used on remedial work all existing sealant must be removed.

Application

Cut nozzle at a sharp angle slightly wider than the desired bead. Extrude sealant with a gun and tool with a round spatula within 10 minutes to spread the sealant against the joint surfaces.

Limitations

Prosil 20 is not recommended for use:
On submerged joints where porous substrates permit water to the bond interface.
For use on galvanized steel, concrete, or where acetic acid will attack the substrate
In these applications use Prosil 10 Neutral.

For certain rubber products where bleeding of plasticiser may occur, check with us if unsure.

Health and safety

This product emits Acetic Acid whilst curing. Use in well-ventilated areas, and avoid breathing vapors.
Contact with uncured product will irritate eyes. In case of eye contact immediately flush with Water for 15 minutes and seek medical advice. Avoid contact with skin or clothing.
Keep our of reach of children

COLOURS

Available in Translucent, White, Black, and Light Grey.

Other special colours available on request, at additional cost

MSDS are available upon request

Shelf-Life : 12 months from date of manufacture if stored below 28°C

Notice

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product (s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchasers' responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.

Company Name
Address
Telephone (Bus)
Fax Number

Admil Adhesives Pty Ltd (ACN 093 886 394)
8 Treforest Drive, Clayton, VIC 3168
(03) 9558-6302
(03) 9558-6305

