

# SIPZINC 170

## Zinc Silicate Shop Primer

Product No. 6170

### Features

- Two pack solvent based.
- Anti corrosive inorganic zinc rich primer.
- Fast drying.
- Weldable primer.

### Recommended Use

- As a quick drying rust inhibiting and weldable pre construction primer for blast cleaned steel.
- Can be applied by manual or automatic operated airless or conventional spray equipment.
- As a weldable primer up to a dry film thickness of 20 µm without adverse effect on the quality of the weld.

### Physical Data

<b>Finish</b>	:	Flat
<b>Colour</b>	:	Grey
<b>Volume Solids</b>	:	40%
<b>Recommended Film Thickness :</b> 20 – 25 microns dry = 50 – 62 microns wet		
<b>Theoretical Coverage :</b> 20 m <sup>2</sup> /litre at 20 microns		

**Density (Mixed) :** 2.20 Kg/ltr.

**Drying Times :**

At 25°C / 50 % RH

Tack Free : 10 Minutes  
Recoatable : 16 Hours

**Heat Resistant :** 400°C Dry

**Flash Point :** 16°C

### Specification Data

#### Preparation

The substrate should be thoroughly cleaned in accordance with SSPC-SP1. All burs should be removed and sharp edges and rough weld seams should be ground down.

Blast clean to a surface finish, conforming to the Swedish Standard Sa 2.5 or SSPC SP-10.

All blast cleaning equipment should be of an approved type and fitted with suitable moisture trap and grease / oil filter.

#### Paint System

Sipzinc 170 is designed for application on blast cleaned steel surfaces. May be topcoated with Sipzinc primers, epoxies, chlorinated rubber silicones. Consult SIPCO Technical Service Department for specific recommendation.

## Application Data

<b>Mixing Ratio by Weight</b>	5 ltr. kit	:	3.700 Kg of Binder	:	7.300 Kg of Zinc Powder	
<b>Mixing Advice</b>	The binder and zinc powder respectively come in the proportions as specified above. Stir the binder component with a power mixer and add the zinc powder while stirring continuously until a homogeneous mixture is obtained and free of lumps. Strain material through 250 (60 meshes) screen to prevent possible clogging of equipment. Since the pot life of the product is limited and will shorten at high temperatures, it is recommended to prepare no more than will be used in 8 hours at 20°C or 3 hours at 40°C.					
<b>Thinning</b>	When mixed, the paint is ready for (airless) spray application. Thin only for workability or when a rough film or 'dry spray' is obtained because of fast solvent evaporation during hot weather or high wind. Use not more than approx. 10 vol% as follows. Hot conditions : Thinner 770 For automatic spray application, the amount and kind of thinner will be adjusted to local conditions on request. Overthinning will lead to poor results. Add thinner only after mixing of the components.					
<b>Pot Life</b>	At 20°C	:	8 hours	At 40°C	:	3 hours
<b>Application Details</b>	The pot life is dependent on temperature and relative humidity. At the end of the pot life 'kick out' or separation of the liquid and solids occurs, together with gassing. Do not keep mixed material that will not be used before the end of the pot life in tightly closed containers as gassing can create enough pressure to cause containers to burst. Cover containers loosely. Keep containers loosely covered until ready to use to prevent skinning or gelling due to moisture in air. Skins should be skimmed off the top and the material strained through cheesecloth or 60-mesh screen to remove any remaining pieces of skin. Discard gelled material. Air temperature : 5 - 40°C      Surface temperature : 5 - 40°C Paint temperature : 5 - 40°C      Relative humidity : 50 - 95% The surface temperature must be at least 3°C above the dew point to prevent condensation. Never apply paint under adverse weather conditions. In confined spaces, constant purging of the air during application and drying is necessary to eliminate solvent vapours for reasons of health and safety as well as to assist evaporation. Conventional spray pump with agitated psi or airless spray can be used. Use a 0.017 – 0.023 tip for airless spray. For automatic spray application contact SIPCO Technical Services Department.					
<b>Cleaning of Equipment</b>	Use Thinner 770.					

## Storage Information

<b>Pack Size</b>	5 and 10 ltr. two component kits.
<b>Storage</b>	Store generally in original sealed container, indoors, at a temperature between 5 and 40°C and relative humidity below 70%.
<b>Shelf Life</b>	1 Year

## Safety Information

See the material safety data sheet and product label for complete safety and precaution requirements.

## Disclaimer

The information in this data sheet represent test results or experience under well defined conditions. Its accuracy or suitability under the actual conditions of any intended use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller can not accept any liability in connection with the use of the product relative to coverage, performance, injury or damage, unless we specifically agree in writing to do so. The information in this data sheet is subject to change without notice and it is the user's responsibility to ensure it is current. For further information and advice contact SIPCO Technical Services Department on Tel. (03) 847 2299, Fax (03) 847 3780.