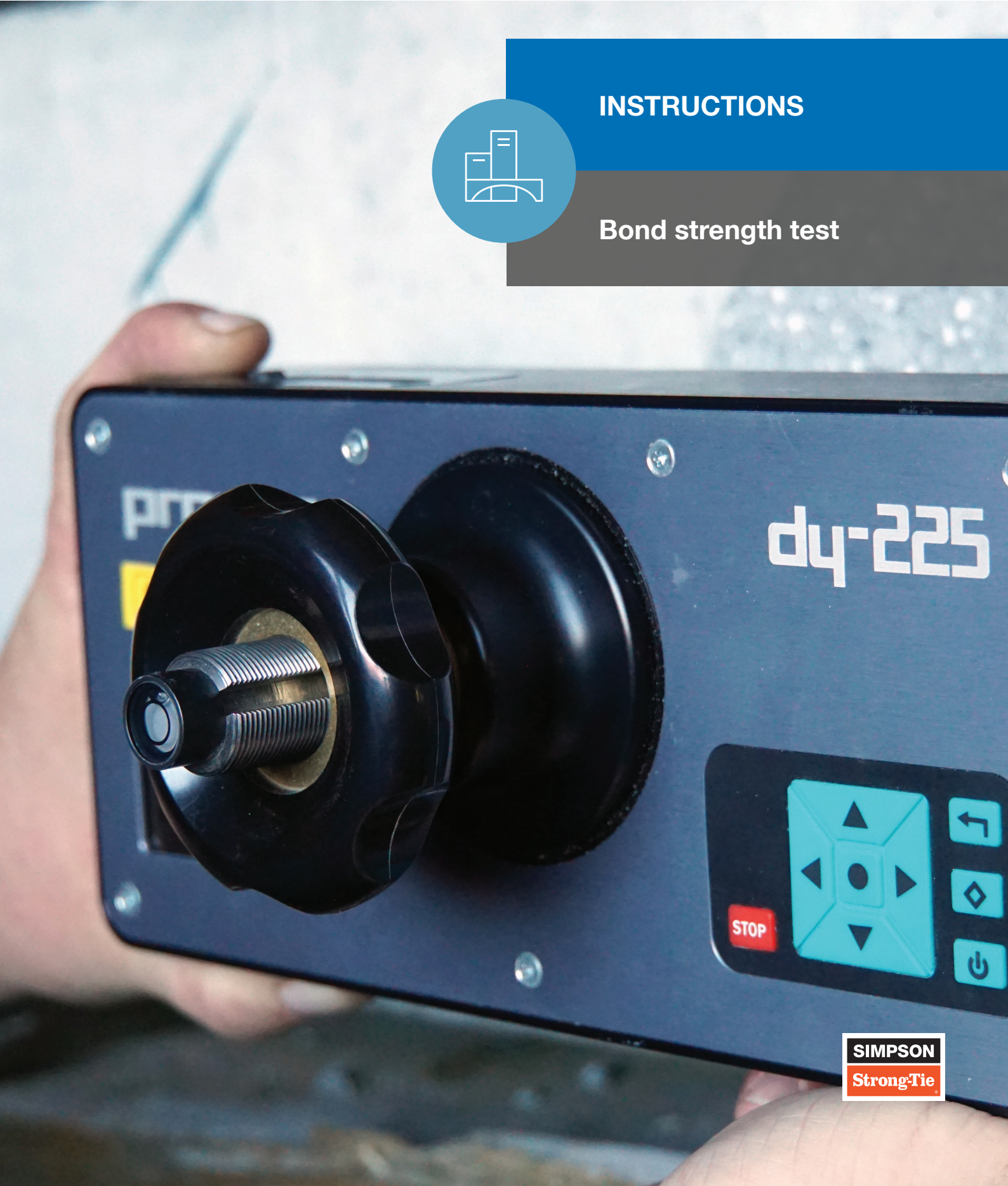


INSTRUCTIONS



Bond strength test



Bond strength test

Instructions

PREPARATION BY CONTRACTOR



According to the jobsite, scaffolding and ladders must be provided by the contractor

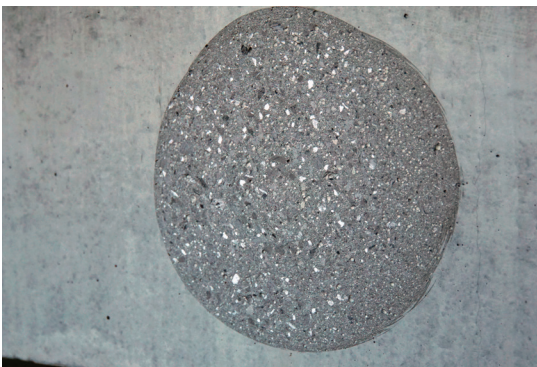
The test area must be accessible to S&P

Ongoing works must be halted during the test, therefore ensuring vibrations via drilling, chipping, etc. are avoided



The **project engineer** should define a minimum of 3 different locations, where the bond strength tests should be carried out

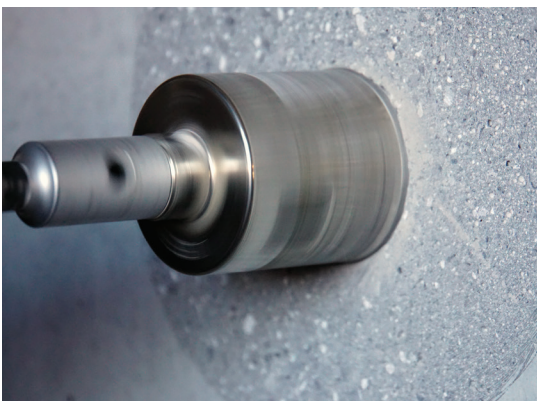
The **contractor** must remove the cement laitance using suitable mechanical means (e.g. diamond disk)



The prepared test locations must have a diameter between 10 and 20 cm

The distance to walls, ceilings, etc. must be a minimum of 15 cm

BOND TEST BY S&P



Check of the dew point and substrate moisture content by S&P

Drill with crown (inner diameter 50 mm) and template

Drilling depth must be minimum 5 mm



Clean and vacuum the test area



Roughen the test dolly crosswise with sandpaper, then clean with S&P Cleaner and de-grease

Allow the cleaner to evaporate for 1 minute

Apply the adhesive to the test dolly



Bond the test dolly to the test area

When applying overhead or on walls, ensure the test dolly is supported against slipping or falling off

During the curing time the test dolly must not be moved, so continuation of disruptive works near to the test area such as drilling, chipping are not allowed



Allow the adhesive to cure according to the manufacturers' recommendation

Screw the bolt into the test dolly

BOND TEST BY S&P



Fix the test machine carefully onto the bolt

Ensure it is level according to the test dolly and the substrate


Control the settings: When using the S&P machine, the setting C-Nut is required (bond strength measured in kN)

Start the test and record the values



After the test, optically review the core

The failure type (concrete/adhesive/dolly) must be recorded in the documentation

Haftzugprotokoll S&P		S&P			
Objekt:	Abwieser Betonwerkstatt	Projekt Nr.:	0		
Adressen:	Seewernstrasse 127	Datum:	20.11.2020		
PLZ/Ort:	6253 Seewen				
Standardform:	0302				
Hauptgeber:	S&P Clever	Werk:	041 825 00 70		
Adressen:	Seewernstrasse 127	Verantwortlicher:	2020-Master		
PLZ/Ort:	6253 Seewen	Standort:			
Beauftragter:		Projektleiter:			
Abnahme:		Ing./J. Bauteil:			
PLZ/Ort:		Standort:			
Material:	Abwieser Betonwerkstatt Seewen	Datum:	20.11.2020		
Material:	S&P dy-225	Temperatur Luft:	21 °C		
Temperatur:	21 °C	Temperatur Prüfkörper:	18 °C		
Umfang/Anzahlproben:	3/3/3/3				
Wandflächendurchmesser:	50 mm	Haftfläche A _g :	1963,16 mm ²		
Haftzuggerät: DYNA Z mit Digitalmanometer der Fa. Proceq					
Prüf-Nr.	Zugkraft [kN]	Verlängerung [mm]	Art Haftung [Art]	Notizen	Bruch
1	3,34	3,05	1	erfüllt	100% Beton
2					
3					
4					
5					
6					
Mittelwert:	3,08	3	1,5	erfüllt	
S&P Clever Reinforcement Company AG Stampel, Unterschrift: 					

Complete the bond strength document and provide it to the contractor (sample document)

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